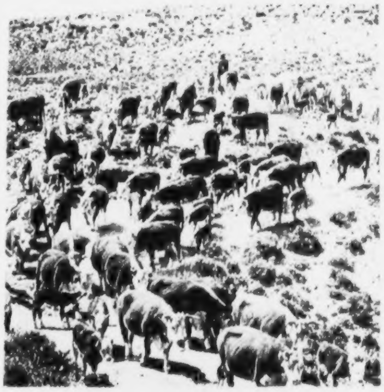
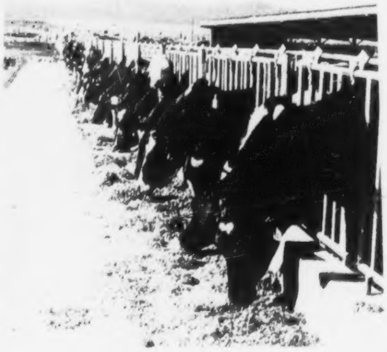
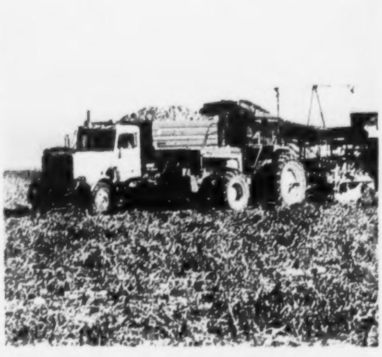
UTAH
AGRICULTURAL
Statistics
1987







Including Utah Department of Agriculture Bi-Annual Report

1896

STATE OF UTAH
OFFICE OF THE GOVERNOR
SALT LAKE CITY
84114

NORMAN H. BANGERTER
GOVERNOR

To the Citizens of the State of Utah:

Once again it is my pleasure and privilege to make available to you the Utah Agricultural Statistics. The 1937 statistical data show that agriculture continues to be a significant force in Utah's economy.

Agriculture is a basic industry and impacts everyone - producers, processors and consumers alike. It is easy to take our abundant and high quality food supply for granted. That's why this publication is important; it brings to the forefront the size and diversity of Utah's agricultural industry.

Those working in agriculture should be proud of their heritage and their commitment to this vital industry.

Special thanks to those responsible for the preparation of this year's edition. It is a useful reference for those making decisions effecting Utah agriculture.

Sincerely,

Norman H. Bangerter

Norman H. Bangerter
Governor

STATE OF UTAH

1896

Department of Agriculture
GOVERNOR'S CABINET

NORMAN H. BANGERTER
Governor

350 North Redwood Road
Salt Lake City, Utah 84116
(801) 533-5421

MILES 'CAP' FERRY
Commissioner

Dear Friends of Utah Agriculture:

I am pleased to submit the 1987 Agricultural Statistics for Utah which this year includes the Biennial Report for January 1, 1985 to December 31, 1986. This joint publication is an effort to minimize cost and to maximize distribution of both reports. The department's report will be included in future issues of the Statistical Report.

With your support, the Department of Agriculture was able to address critical issues facing agriculture and to make major accomplishments over the past two years. We are especially pleased with our ability to respond quickly to animal health and plant pest problems. We know this protection is vital to Utah's agriculture.

This publication is a cooperative effort of the Utah Department of Agriculture and the United States Department of Agriculture's Utah Agricultural Statistics Service. This spirit of cooperation is necessary if the industry is to be profitable and prosperous.

Sincerely,

Miles "Cap" Ferry, Commissioner
Utah Department of Agriculture

INTRODUCTION

This is the sixteenth annual publication of the Utah Agricultural Statistics. It has been an excellent tool for bringing agriculture statistics about Utah together under one cover. We appreciate the encouragement from data users to continue this publication.

A special thanks goes to the farmers and ranchers who share information about their individual operations with us so we are able to make the estimates. Their cooperation in returning questionnaires by mail and talking with our enumerators over the phone or in person has been outstanding.

The office staff and enumerators work hard at insuring individual data are accurately collected and processed. This ensures quality estimates are available. They deserve credit for their efforts.

Estimates are continually being made by our office to update the data series. Feel free to give us a call at (801)524-5003 if you have need of more current data.

The annual bulletin has always been a cooperative effort between the Utah Agricultural Statistics Service and the Utah Department of Agriculture. This year the Utah Department of Agriculture's Biennial Report has been added to the publication.

James G. Christensen

JAMES G. CHRISTENSEN, Director
Agricultural Development and Conservation
Utah Department of Agriculture

DelRoy J. Gneiting

DELROY J. GNEITING, State Statistician
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UTAH AGRICULTURAL STATISTICS 1987

This report has been compiled and published as a cooperative effort and function of the following agencies of Federal and State Government.

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We would like to thank Ron Daines, USU Extension Service; Kurt Gutknecht, USU Experiment Station; and Victor Saunders, Utah Farm Bureau for helping to provide the photographs used in this publication.

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Population of Counties, Utah

County	U. S. Census - April 1, 1980						July 1, 1986 Est. 2/
	Total	Urban		Rural			
		Total Urban 1/	Percent of Total	Total Rural	Places of 1,000 to 2,500	Other Rural	Total
Beaver	4,378	--	--	4,378	3,085	1,293	4,950
Box Elder	33,222	19,060	57.3	14,162	3,730	10,432	37,300
Cache	57,176	38,464	67.3	18,712	11,095	7,617	67,800
Carbon	22,179	11,810	53.2	10,369	3,348	7,021	23,000
Daggett	769	--	--	769	--	769	700
Davis	146,540	143,499	97.9	3,041	--	3,041	175,000
Duchesne	12,565	3,842	30.6	8,723	1,677	7,046	14,300
Emery	11,451	--	--	11,451	8,209	3,242	11,800
Garfield	3,673	--	--	3,673	1,343	2,330	4,050
Grand	8,241	5,333	64.7	2,908	92	2,816	6,850
Iron	17,349	10,972	63.2	6,377	1,836	4,541	19,500
Juab	5,530	3,285	59.4	2,245	--	2,245	5,800
Kane	4,024	--	--	4,024	2,148	1,876	4,800
Millard	8,970	--	--	8,970	4,013	4,957	13,600
Morgan	4,917	--	--	4,917	1,896	3,021	5,500
Piute	1,329	--	--	1,329	--	1,329	1,550
Rich	2,100	--	--	2,100	--	2,100	2,050
Salt Lake	619,066	613,466	99.1	5,600	--	5,600	698,000
San Juan	12,253	3,118	25.4	9,135	1,929	7,206	12,700
Sanpete	14,620	2,810	19.2	11,810	6,470	5,340	16,500
Sevier	14,727	5,482	37.2	9,245	3,468	5,777	15,800
Summit	10,198	2,823	27.7	7,375	2,095	5,280	12,700
Tooele	26,033	18,754	72.0	7,279	2,745	4,534	28,100
Uintah	20,506	6,600	32.2	13,906	2,216	11,690	23,000
Utah	218,106	197,267	90.4	20,839	6,843	13,996	253,000
Wasatch	8,523	4,362	51.2	4,161	1,194	2,967	9,450
Washington	26,065	14,442	55.4	11,623	5,635	5,988	39,100
Wayne	1,911	--	--	1,911	--	1,911	2,100
Weber	144,616	127,671	88.3	16,945	2,379	14,566	157,000
State Total	1,461,037	1,233,060	84.4	227,977	77,446	150,531	3/1,666,000

1/ Urban population includes persons living in areas or places of 2,500 inhabitants or more. 2/ State Planning Commission, State of Utah. 3/ May not add due to rounding.

Farm Population vs. Total Population, Utah, 1920-1980 Censuses

Year	Total Population	Farm Population	
		Number	% of Total
1920	451,000	141,000	31.3
1930	508,000	116,000	22.8
1940	550,000	105,000	19.1
1950	689,000	81,000	11.8
1960	891,000	65,000	7.3
1970	1,059,000	38,000	3.6
1980	1,461,000	N/A	N/A

"Farm Population Estimates" Rural Development Service, USDA Statistical Bulletin.

TOP SIX STATES BY AGRICULTURAL CATEGORY, UTAH'S RANK AND UNITED STATES TOTAL

Category	Unit	First	Second	Third	Fourth	Fifth	Sixth	Utah's Rank	United States Total
GENERAL									
Number of Farms and Ranches, 1986	Farms	Texas 160,000	Missouri 115,000	Iowa 109,000	Kentucky 99,000	Tennessee 96,000	Minnesota 93,000	36 13,700	2,214,420
Land in Farms and Ranches, 1986	1,000 Acres	Texas 134,000	Montana 61,000	Kansas 47,900	Nebraska 47,200	New Mexico 44,600	So. Dakota 44,500	29 11,400	1,007,363
Value of Farm Real Estate, 1986 1/	Mil. Dollars	Texas 73,760	California 51,518	Illinois 32,809	Iowa 28,243	Missouri 18,673	Florida 18,660	35 5,545	602,959
Cash Receipts from Farm Marketings, 1985	Mil. Dollars	California 13,970	Texas 9,298	Iowa 9,201	Illinois 7,768	Nebraska 7,206	Minnesota 6,472	39 548	142,103
FIELD CROPS									
Harvested Acreage Principal Crops, 1986 2/	1,000 Acres	Iowa 24,096	Illinois 22,050	Kansas 20,694	No. Dakota 20,571	Minnesota 19,246	Texas 17,750	37 1,132	312,578
All Wheat Production 1986	1,000 Bushel	Kansas 336,600	No. Dakota 289,820	Oklahoma 150,800	Montana 138,520	Texas 120,000	Washington 116,850	24 9,750	2,086,780
Other Spring Wheat Production, 1986	1,000 Bushel	No. Dakota 198,400	Minnesota 98,050	Montana 70,200	So. Dakota 49,500	Idaho 29,900	Washington 13,950	9 1,650	472,230
Winter Wheat Production, 1986	1,000 Bushel	Kansas 336,600	Oklahoma 150,800	Texas 120,000	Washington 102,900	Colorado 92,800	Nebraska 76,000	25 8,100	1,519,143
Barley Production, 1986	1,000 Bushel	No. Dakota 175,950	Montana 85,020	Idaho 72,150	Minnesota 55,000	Washington 45,000	So. Dakota 35,910	10 11,552	610,497
Oats Production, 1986	1,000 Bushel	Wisconsin 52,700	So. Dakota 46,200	Minnesota 43,350	No. Dakota 38,500	Iowa 37,800	Nebraska 21,240	30 864	384,546
Field Corn for Grain Production, 1986	1,000 Bushel	Iowa 1,626,750	Illinois 1,404,000	Nebraska 896,000	Minnesota 707,600	Indiana 695,400	Ohio 476,160	2,250	40 8,252,834
Corn Silage Production, 1986	1,000 Tons	Wisconsin 10,640	New York 7,830	Pennsylvania 6,300	Minnesota 6,075	California 5,832	Michigan 4,320	27 1,014	88,510
All Potato Production, 1986	1,000 Cwt.	Idaho 87,320	Washington 60,180	Oregon 23,172	No. Dakota 21,600	Maine 21,000	Colorado 20,296	23 1,760	354,468
All Dry Bean Production, 1986	1,000 Cwt.	No. Dakota 4,340	Nebraska 4,305	California 2,874	Idaho 2,724	Michigan 2,720	Colorado 2,701	13 41	22,898
Alfalfa Hay Production, 1986	1,000 Tons	Wisconsin 9,450	Minnesota 7,605	California 7,128	So. Dakota 6,250	Iowa 6,080	Michigan 5,040	19 1,833	91,424
All Hay Production, 1986	1,000 Tons	Wisconsin 10,775	Minnesota 9,675	So. Dakota 9,330	California 8,628	Iowa 8,000	Texas 7,460	25 2,135	155,271
FRUITS AND VEGETABLES									
All Commercial Apple Production, 1986	1,000 Pounds	Washington 3,100,000	New York 950,000	Michigan 700,000	Pennsylvania 620,000	California 500,000	Virginia 480,000	23 34,000	7,914,500
Apricot Production, 1986	Tons	California 50,000	Washington 4,300	[redacted]				3 900	55,200
Sweet Cherry Production, 1986	Tons	Washington 62,500	Oregon 38,000	Michigan 20,000	California 8,400	Idaho 2,300	[redacted]	6 2,160	137,710
Tart Cherry Production, 1986	1,000 Pounds	Michigan 170,000	[redacted]	New York 13,000	Pennsylvania 12,000	Oregon 6,000	Wisconsin 3,700	2 18,500	224,100
Pear Production, 1986	Tons	California 294,000	Washington 262,000	Oregon 165,000	New York 19,000	Michigan 11,000	Pennsylvania 3,000	7 2,200	759,550
Peach Production, Freestone 1986	1,000 Pounds	California 495,000	So. Carolina 260,000	Georgia 105,000	New Jersey 105,000	Pennsylvania 100,000	Michigan 50,000	17 10,500	1,393,400
Summer Storage Onion Production, 1986	1,000 Cwt.	Oregon 5,913	Colorado 4,590	Idaho 3,710	New York 3,456	Washington 1,848	Michigan 1,653	7 469	22,406
LIVESTOCK, MINK AND POULTRY									
All Cattle & Calves Jan. 1, 1987	1,000 Head	Texas 13,400	Kansas 5,920	Nebraska 5,500	Oklahoma 5,200	California 4,750	Iowa 4,650	36 770	102,031
Beef Cows, Jan. 1, 1987	1,000 Head	Texas 5,275	Oklahoma 2,013	Missouri 2,013	Nebraska 1,677	So. Dakota 1,491	Kansas 1,458	32 320	33,910
Commercial Cattle Slaughter, 1986	1,000 Head	Kansas 6,493.8	Texas 6,207.1	Nebraska 5,700.2	Iowa 1,969.0	Colorado 1,919.5	California 1,520.7	19 392.4	37,288.3
All Hogs & Pigs December 1, 1986	1,000 head	Iowa 12,600	Illinois 5,000	Minnesota 4,260	Indiana 4,150	Nebraska 3,900	No. Carolina 2,360	43 25	50,960
Commercial Hog Slaughter, 1986	1,000 Head	Iowa 18,711.2	Minnesota 5,862.1	Illinois 5,772.8	Nebraska 4,999.8	Michigan 4,624.7	Virginia 4,499.7	23 221.6	79,598.2
Honey Production 1986	1,000 Pounds	No. Dakota 31,030	California 27,040	So. Dakota 22,713	Florida 21,750	Minnesota 10,608	Nebraska 7,600	25 1,575	200,394
Mink Pelts Produced 1985	Pelts	Wisconsin 1,179,300	Minnesota 571,200	[redacted]	Idaho 251,700	Washington 226,000	Oregon 215,000	3 501,700	4,170,000
Stock Sheep & Lambs Inventory Jan. 1, 1987	1,000 Head	Texas 1,780	California 795	Wyoming 690	So. Dakota 550	Montana 500	New Mexico 450	7 440	8,823.5
Turkeys Raised 1986	1,000 Head	No. Carolina 39,100	Minnesota 34,200	California 21,900	Arkansas 16,500	Virginia 14,307	Missouri 13,500	12 3,390	207,216
Milk Production 1986	Mil. Pounds	Wisconsin 25,200	California 17,235	New York 11,744	Minnesota 10,614	Pennsylvania 10,152	Michigan 5,404	30 1,155	144,080
American Cheese Production, 1986	1,000 Pounds	Wisconsin 1,081,188	Minnesota 515,151	California 190,116	Iowa 116,436	Idaho 97,676	S. Dakota 85,016	11 41,035	2,798,160

1/ As of February 1, 1986.

2/ Crop acreages included are corn, sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflowers, popcorn, cotton, all hay, dry edible beans, dry edible peas, potatoes, tobacco, sugarcane and sugarbeets.

UTAH AGRICULTURAL STATISTICS 1987

CROPS: RECORD HIGHS AND LOWS FOR ACREAGE, YIELD, AND PRODUCTION OF UTAH CROPS

Item	Unit	Record High		Record Low		Year Record Started
		Quantity	Year	Quantity	Year	
Corn for grain						
Acres harvested	Thou. acres	18	1986	2	1963 & 66	
Yield	Bushels	125.0	1986	17.0	1934	1919
Production	Thou. bu.	2,250	1986	85	1934	
Corn for silage						
Acres harvested	Thou. acres	80	1975 & 76	2	1920 - 22	
Yield	Tons	20.5	1984	6.0	1934	1919
Production	Thou. tons	1,501	1980	17	1921	
Oats						
Acres harvested	Thou. acres	82	1910	10	1977	
Yield	Bushels	72.0	1986	25.0	1882 & 83	1882
Production	Thou. bu.	3,338	1914	550	1977	
Barley						
Acres harvested	Thou. acres	190	1957	8	1898	
Yield	Bushels	80	1982	22.0	1882	1882
Production	Thou. bu.	12,880	1982	242	1882	
All wheat						
Acres harvested	Thou. acres	444	1953	65	1880 & 81	
Yield	Bushels	37.8	1986	15.4	1919	1879
Production	Thou. bu.	9,750	1986	1,139	1882	
Winter wheat						
Acres harvested	Thou. acres	342	1953	120	1909	
Yield	Bushels	36.0	1986	12.7	1919	1909
Production	Thou. bu.	8,100	1986	1,862	1924	
Spring wheat						
Acres harvested	Thou. acres	160	1918	16	1972	
Yield	Bushels	51.0	1983	18.7	1919	1909
Production	Thou. bu.	4,000	1918	704	1972	
All Hay						
Acres harvested	Thou. acres	686	1930	402	1909	
Yield	Tons	3.61	1981	1.51	1934	1909
Production	Thou. tons	2,204	1981	679	1934	
Alfalfa Hay						
Acres harvested	Thou. acres	562	1930	359	1934	
Yield	Tons	4.10	1981	1.67	1934	1922
Production	Thou. tons	1,948	1981	600	1934	
Other Hay						
Acres harvested	Thou. acres	180	1947	92	1934	
Yield	Tons	2.00	1983-85	.86	1934	1924
Utilized prod.	Thou. tons	302	1986	79	1934	
Dry Edible Beans						
Acres harvested	Thou. acres	20	1970	1	1934-35 & 77	1934
Yield cleaned	Pounds	800	1957	200	1956,59,62,77	1954
Production cleaned	Thou. cwt.	91	1947	2	1977	1934
Fall Potatoes						
Acres harvested	Thou. acres	19.6	1943	4.3	1972	
Yield	Hundredweight	275	1986	45	1886	1882
Production	Thou. cwt.	2,153	1946	405	1886	
Summer Storage Onions						
Acres harvested	Acres	2,400	1944	550	1954 & 66	
Yield	Hundredweight	450	1985	200	1940	1939
Production	Thou. cwt.	830	1979	150	1952	
Apricots						
Utilized Prod.	Tons	10,000	1957	0	1972	1929
Sweet Cherries						
Utilized Prod.	Tons	7,700	1968	0	1972	1938
Pears						
Utilized Prod.	Tons	8,750	1954	200	1972	1909
Apples						
Utilized Prod.	Mil. Pounds	62.4	1925	2.7	1889	1889
Tart Cherries						
Utilized Prod.	Mil. Pounds	23.0	1983	1.3	1972	1938
Peaches (Freestone)						
Utilized Prod.	Mil. Pounds	44.2	1922	1.5	1972	1899

UTAH LIVESTOCK, POULTRY AND MINK: RECORD HIGH AND LOW NUMBERS

Item	Unit	Record High		Record Low		Year Record Started
		Quantity	Year	Quantity	Year	
Cattle and Calves						
Inventory January 1	Thou. hd.	950	1983	95	1867	1867
Calves born	Thou. hd.	390	1975	129	1935	1920
Beef cows Jan. 1 1/	Thou. hd.	374	1983	107	1939	1920
Milk cows Jan. 1 1/	Thou. hd.	126	1945	14	1867	1867
Milk production	Mil. lbs.	1,171	1983	412	1924	1924
Cattle on Feed Jan. 1	Thou. hd.	81	1963 & 66	33	1986	1959
Hogs and Pigs						
Inventory Dec. 1 2/	Thou. hd.	196	1944	4	1867-69	1867
Sheep and Lambs						
Stock sheep Inv. Jan 1	Thou. hd.	2,935	1931	167	1867	1867
Lamb crop	Thou. hd.	1,736	1930	400	1986	1924
Sheep & lambs on feed	Thou. hd.	295	1937	20	1977	1920
Chickens						
Hens and pullets of laying age Dec. 1	Thou. hd.	2,787	1944	1,080	1970	1925
Egg production total for year	Mil. eggs	459	1981	142	1924	1924
Turkeys						
Raised 2/	Thou. hd.	4,061	1973	215	1935	1929
Mink						
Pelts produced	Thousand	545.4	1982	283.0	1973	1969

1/ Cows and heifers two years old and over prior to 1970, cows that have calved starting in 1970. 2/ January 1 estimates discontinued in 1969. December 1 estimates started 1969.

Utah Crop Production Index (1977 = 100).

Year	Commodity				
	Small Grain	Hay	Fruit	Other Crops	Total Crops
			Percent		
1978	156	101	73	112	109
1979	156	110	108	135	121
1980	180	113	100	132	125
1981	179	120	106	130	129
1982	192	116	76	134	127
1983	169	112	130	116	122
1984	170	117	92	129	125
1985	177	113	112	124	124
1986	186	116	87	112	123

NUMBER OF FARMS

The number of farms and land in farms data series reflects the history of our agricultural industry. Farm numbers for Utah peaked in 1936 in an era when off-farm employment was scarce. Land in farms peaked in the late 1950's, and was stable until the mid-60's when urban growth began to have a noticeable effect on farmland and farmland values.

Farm numbers also show the effect of mechanization on the industry. The U.S. agricultural industry is one of the world's most efficient. Producers take advantage of new methods and machinery in order to maximize profits. To pay for new improvements, the producer acquires more land to efficiently utilize these improvements, leading to larger and larger farms. In 1950, the U.S. producer operated 215 acres; in 1986, the average had risen to 455.

Recent declines in farm numbers reflect current low prices and declining land values. Farm numbers for the U.S. dropped 3 percent from 1985 compared with an average annual decline of 1 to 2 percent during the 1981-85 period. Land in farms declined less than 1 percent in 1986, but has declined every year since 1954.

Utah's agricultural industry has not followed the recent U.S. trend to larger farms. The breakup of large farms into smaller hobby farms kept numbers increasing through the late 70's until 1982. Farm numbers remained stable at 14,000 until 1985 when several years of weather problems, low commodity prices, and falling land values caused a small decline to 13,900 farms. A new round of lower commodity prices, and continuing decline in land values, resulted in farm numbers declining 1 percent from June 1985 to 13,700 farms in June 1986. Land in farms declined 2 percent from 1985 and has fallen 7 percent since 1980. The average size of farms has decreased steadily from 1,000 acres in 1975 and 845 acres in 1985, to 832 acres for 1986.

Number of Farms and Land in Farms, Selected Years 1/.

Year	UTAH			UNITED STATES		
	Farms	Land in Farms		Farms	Land in Farms	
		Average	Total		Average	Total
	Number	Acres	1,000 Acres	1,000	Acres	1,000,000 Acres
1850	926	51	47	1,449	203	294
1860	3,635	25	90	2,044	199	407
1880	9,452	69	656	4,009	134	536
1900	19,387	212	4,117	5,737	146	839
1920	25,662	197	5,050	6,448	148	956
1930	27,159	207	5,613	6,289	157	987
1936 2/	30,800	--	--	--	--	--
1940	28,500	354	10,100	6,097	174	1,061
1950	25,800	465	12,000	5,382	215	1,159
1960	19,000	716	13,600	3,963	297	1,176
1965	16,500	818	13,500	3,356	340	1,140
1970	14,100	936	13,200	2,949	374	1,102
1975 3/	12,600	1,000	12,600	2,521	420	1,059
1977	12,800	984	12,600	2,456	427	1,048
1978	12,900	977	12,600	2,436	429	1,045
1979	13,200	939	12,400	2,432	428	1,042
1980	13,500	919	12,400	2,433	427	1,039
1981	13,800	884	12,200	2,434	425	1,034
1982	14,000	864	12,100	2,401	428	1,028
1983	14,000	857	12,000	2,370	432	1,024
1984	14,000	843	11,800	2,328	438	1,019
1985	13,900	835	11,600	2,275	446	1,014
1986 4/	13,700	832	11,400	2,214	455	1,007

1/ 1850-1931 from U.S. Census of Agriculture--1940-86 are USDA estimates.

2/ Record high number of farms in Utah.

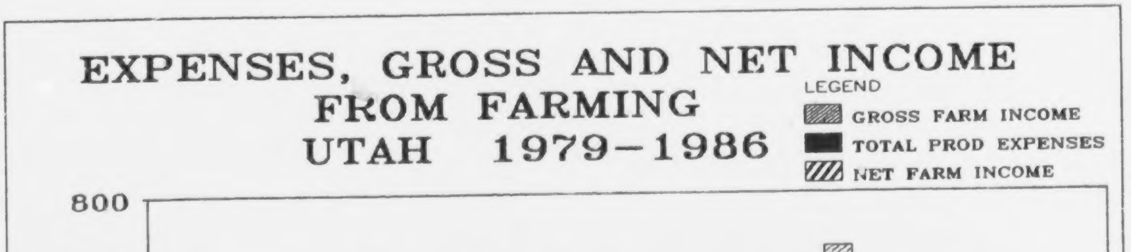
3/ Starting in 1975, the figures are based on the "new definition" which is a place with annual sales of agricultural products of $1,000 or more. Prior to this definition "a farm" included places of 10 or more acres that had annual sales of agricultural products of $50 or more and places of less than 10 acres that had annual sales of $250 or more.

4/ Preliminary.

FARM INCOME

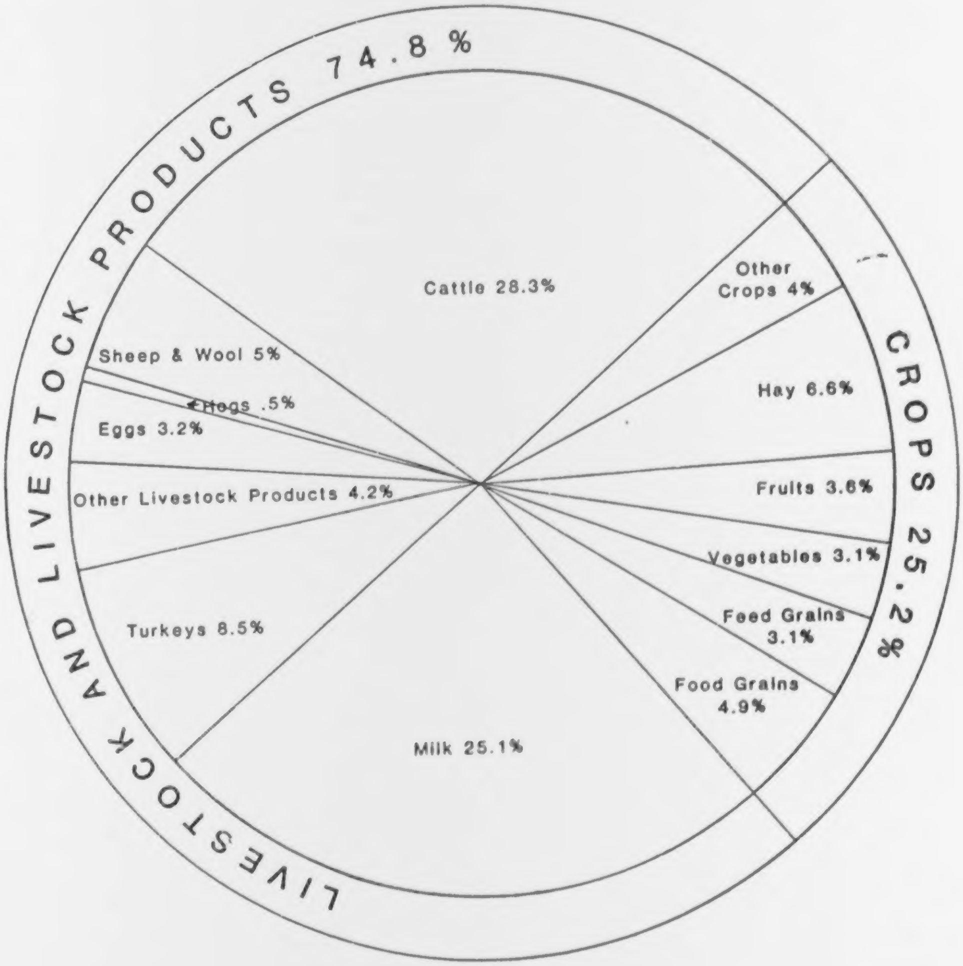
Cash receipts to Utah's farmers and ranchers during 1986 totaled $544 million, down slightly from the 1985 level, according to preliminary data. Cash receipts from livestock and livestock products were 75.5 percent of total cash receipts, or $411 million; while crops contributed 24.5 percent of the total, or $133 million. These percents are very similar to the patterns of the last several years. More detailed information on the 1986 receipts was not available at press time.

Gross farm income for 1985 fell 6 percent from 1984 to $680 million as both marketings and government payments were below 1984 levels. Farm production expenses dropped 2 percent to $637.3 million; however, net farm income, at $42.6 million, was well below the $77.2 million posted in 1984.



The breakout of Utah's 1985 farm cash receipts is represented in graphic form below. Marketings of cattle and calves accounted for the largest portion with 28.3 percent of total receipts, while dairy products summed to a close second with 25.1 percent. Cash receipts from turkeys was a distant third, at 8.5 percent of the total. Livestock and livestock products contributed 74.8 percent of total receipts in 1985, with crops accounting for the remaining 25.2 percent. Hay sales led in cash receipts for crops, at 6.6 percent of the total, with wheat sales second at 4.9 percent.

UTAH CASH RECEIPTS BY COMMODITIES, 1985



Cash Receipts by Commodities, Utah, 1983-86.

Commodity	1983		1984		1985		1/1986	
	1,000 Dollars	Percent	1,000 Dollars	Percent	1,000 Dollars	Percent	1,000 Dollars	Percent
ALL COMMODITIES.........	577,675	100.0	588,426	100.0	547,535	100.0	544,055	100.0
LIVESTOCK PRODUCTS......	433,227	75.0	449,099	76.3	409,363	74.8	410,902	75.5
Meat Animals...........	207,779	36.0	235,339	40.0	182,584	33.3		
Cattle, Calves........	184,533	31.9	209,941	35.7	155,193	28.3		
Sheep, Lambs..........	19,108	3.3	21,771	3.7	24,550	4.5		
Hogs..................	4,138	.7	3,627	.6	2,841	.5		
Dairy Products.........	150,066	26.0	133,620	22.7	137,200	25.1		
Milk Wholesale........	143,964	24.9	126,420	21.5	128,400	23.5		
Milk Retail...........	6,102	1.1	7,200	1.2	8,800	1.6		
Poultry and Eggs.......	46,096	8.0	51,653	8.8	64,250	11.7		
Turkeys...............	25,603	4.4	32,110	5.5	46,433	8.5		
Eggs..................	20,034	3.5	19,151	3.3	17,417	3.2		
Farm Chickens.........	459	.1	392	.1	400	.1		
Misc. Livestock........	29,286	5.1	28,487	4.8	25,329	4.6		
Wool..................	3,271	.6	4,502	.8	2,924	.5		
Other Livestock.......	26,015	4.5	23,985	4.1	22,405	4.1		
CROPS..................	144,448	25.0	139,327	23.7	138,172	25.2	133,153	24.5
Food Grains............	29,468	5.1	25,425	4.3	26,593	4.9		
Feed Crops.............	58,449	10.1	59,289	10.1	52,873	9.7		
Hay...................	43,046	7.5	42,363	7.2	36,087	6.6		
Barley................	11,606	2.0	13,444	2.3	12,539	2.3		
Corn..................	3,275	.6	3,030	.5	3,831	.7		
Oats..................	522	.1	452	.1	416	.1		
Vegetables.............	13,786	2.4	18,161	3.1	16,835	3.1		
Onions................	4,749	.8	6,787	1.2	4,715	.9		
Potatoes..............	5,393	.9	6,912	1.2	8,115	1.5		
Dry Beans.............	651	.1	958	.2	1,028	.2		
Misc. Vegetables......	2,993	.5	2,738	.5	2,977	.5		
Fruits, Nuts...........	21,436	3.7	13,597	2.3	19,848	3.6		
Apples................	5,885	1.0	4,720	.8	8,323	1.5		
Cherries..............	11,967	2.1	5,497	.9	8,331	1.5		
Peaches...............	1,755	.3	1,755	.3	1,819	.3		
Pears.................	1,021	.2	885	.2	720	.1		
Apricots..............	338	.1	245	*	315	.1		
Other Fruits, Nuts....	470	.1	495	.1	340	.1		
All Other Crops........	21,309	3.7	22,855	3.9	22,023	4.0		
Greenhouse Nursery....	13,000	2.3	15,000	2.5	14,500	2.6		
Other Field Crops.....	8,309	1.4	7,855	1.3	7,523	1.4		

1/ Preliminary.

Source: State Income and Balance Sheet Statistics, Economic Research Service, USDA. Note: Data for some items are confidential and are not listed. Also, data for minor commodities are not shown separately. Both classes of items are included in group totals.

*Less than 0.05 percent. Percents may not be accurate to 0.1 in last digit because of method of machine computation.

Cash Receipts, Gross and Net Income from Farming, Utah, 1979-86 1/.

Item	1979	1980	1981	1982	1983	1984	1985	1986
	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $
Gross Farm Income 2/........	625.0	667.1	702.2	680.4	680.8	726.1	679.8	
Cash Income...............	521.7	526.7	554.7	543.6	601.2	622.5	578.6	
Marketings Crops & Lvstk	512.1	517.2	542.0	528.5	577.7	588.4	547.5	544.1
Government Payments.....	5.2	5.1	7.8	9.2	18.6	28.0	23.6	
Other Farm Income.......	4.4	4.4	4.8	5.9	5.0	6.0	7.5	
Noncash Income 3/.........	89.0	115.5	122.3	127.1	121.0	123.3	110.7	
Value of Inventory Adj. ..	14.2	24.9	25.3	9.6	-41.4	-19.7	-9.4	
Total Production Expenses 2/	546.1	607.0	661.3	632.9	654.5	648.9	637.3	
NET FARM INCOME 4/..........	78.9	60.1	40.9	47.5	26.3	77.2	42.6	
Cash Income 5/.............	521.7	526.7	554.7	543.6	601.2	622.5	578.6	
Cash Expenses 5/...........	433.8	471.2	515.9	474.7	497.0	489.2	481.8	
NET CASH INCOME.............	87.9	55.5	38.7	68.9	104.2	133.3	96.9	

1/ Source: Data for 1979-85 from "Economic Indicators of the Farm Sector: State Financial Summary, 1985", Economic Research Service, USDA--1986 data preliminary from "Cash Receipts from Farm Marketings", January-December. 2/ Includes operator households. 3/ Includes value of home consumption and rental value of operators' and hired labors' dwellings. 4/ Gross farm income (including value of inventory adjustment) less total production expenses. 5/ Excludes operator households.

Farm Operating Expenses, Utah, 1979-85.

Item	1979	1980	1981	1982	1983	1984	1985
	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $	Mil. $
Feed...............................	116.7	131.2	140.9	108.7	129.3	114.3	115.8
Livestock..........................	31.6	28.4	31.4	29.6	21.2	32.9	28.3
Seed...............................	7.4	7.6	7.6	6.4	6.1	7.0	6.8
Fertilizer and Lime................	10.5	12.2	13.3	10.3	9.8	8.6	8.8
Pesticides.........................	5.2	5.0	5.6	5.3	5.2	5.9	6.1
Fuel and Oil.......................	28.9	38.9	40.8	36.3	34.3	32.8	30.2
Electricity........................	9.4	9.6	10.8	12.5	13.1	13.2	12.6
Repair and Operation...............	39.2	43.9	42.7	44.6	42.8	45.1	44.4
Other Miscellaneous 1/.............	55.9	56.8	62.4	62.5	74.8	71.6	71.9
Interest--Real Estate..............	34.0	41.1	48.6	54.7	58.8	59.9	57.0
Interest--Nonreal Estate...........	39.5	45.5	52.2	55.2	50.5	47.4	48.1
Contract and Hired Labor Expenses...	42.2	43.3	41.3	46.7	44.6	44.8	46.7
Net Rent to Nonoperator Landlords 2/	5.9	8.4	10.6	6.0	8.6	9.7	8.8
Capital Consumption................	100.1	119.9	130.0	133.5	133.4	133.8	129.1
Business Taxes.....................	19.5	15.1	23.3	20.6	22.1	21.9	22.6
TOTAL PRODUCTION EXPENSES 3/........	546.1	607.0	661.3	632.9	654.5	648.9	637.3

1/ Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses. Definitions and data sources for 1978 and later are not directly compatible with those of earlier years. 2/ Uses different data sources for periods before 1979, 1979-83, and 1984 and later. Estimates are not directly compatible among periods. 3/ Includes operator households.

Utah Farm Balance Sheet (Excluding Operator Households), December 31, 1981-85 1/.

Item	1981	1982	1983	1984	1985 2/
	Million Dollars				
Assets					
Total Farm Assets	7,649.8	7,338.1	7,339.4	6,691.6	6,576.5
Real Estate 3/	6,466.1	6,101.5	6,131.1	5,523.1	5,433.5
Livestock and Poultry 4/	387.4	412.3	385.8	356.9	352.2
Machinery and Motor Vehicles 5/	493.6	498.2	495.6	474.6	459.5
Crops 6/	138.8	142.5	132.1	121.3	122.6
Financial Assets	163.9	183.7	194.8	215.7	208.7
Claims					
Total Farm Debt	960.5	1,000.6	1,025.5	1,048.2	982.1
Real Estate Debt 7/	553.1	572.4	602.0	605.5	572.4
Nonreal Estate Debt 8/	399.4	418.2	414.5	435.7	399.7
CCC Loans 9/	8.0	10.0	9.0	7.0	10.0
Equity	6,689.3	6,337.5	6,313.9	5,643.4	5,594.4
Ratios	Ratio				
Equity/Assets	87.4	86.4	86.0	84.3	85.1
Debt/Equity	14.4	15.8	16.2	18.6	17.6
Debt/Assets, Total	12.6	13.6	14.0	15.7	14.9
Debt/Assets, Real Estate	8.6	9.4	9.8	11.0	10.5
Debt/Assets, Nonreal Estate and CCC	34.4	34.6	35.1	37.9	35.8
Returns to Operator/Total Debt 10/	1.9	2.4	.5	5.1	3.9

NA=Not Applicable.

1/ Data are for farms with sales of $1,000 or more annually. 2/ Preliminary. 3/ Excludes value of operator dwellings. 4/ Excludes horses, mules, and broilers. 5/ Includes only farm share value for trucks and autos. 6/ All crops held on farms including crops under CCC and crops held off farms by farm operators. 7/ Excludes debt on operator dwellings. 8/ Excludes debt for nonfarm purposes. 9/ Nonrecourse CCC loans secured by crops, and storage and drying facilities owned by farmers. 10/ Total debt in this ratio is an average for the year.

Source: "Economic Indicators of the Farm Sector: State Income and Balance Sheet Statistics", Economic Research Service, USDA.

FIELD CROPS

Utah's field crops are produced under a wide variety of climatic conditions, ranging from over 220 frost-free days with under 7 inches of annual precipitation in the southwest, to under 60 frost-free days with over 20 inches of annual precipitation in the Northern Mountains. Most of the crops in the State are irrigated and located near streams or wells, but we still have substantial acreage of nonirrigated winter wheat and other crops. Dryland farming is practiced in higher elevation valleys where sufficient rainfall is received. Livestock and livestock products are Utah's major agricultural industry, and much of the crop production in the State is converted to income through livestock and livestock products.

An early spring thaw in 1986 allowed many producers to get a jump on spring seeding and fall seeded grains got off to a good start. Cool weather returned, however, and stayed until May, delaying late spring seeding and germination--especially in northern areas. The cool weather arrived just in time to disrupt the grasshopper hatch and stop a potential infestation. However, Mormon crickets and aphids did considerable damage to crops in the Uinta Basin and south central Utah.

June and July were hot, dry and windy which was generally beneficial to fall grains and hay, but hurt yields on late seeded grains. Small grain harvest began in early July with generally good yield and quality reported. Rain was widespread in September hampering row crop and hay harvests and causing some yield and quality loss. Snow in early October slowed row crop harvests further, but an open fall gave producers time to get their late season crops in.

With ample supplies at the Regional and U.S. level, and changes in government support levels, prices received for field crops in 1986 averaged 7 to 19 percent below 1985. The decline in total value of field crops in 1986 was largely due to lower prices.

Hay is Utah's largest cash crop, although much of it is fed to livestock on the farm where it is produced. Utah exports hay cubes mainly to Pacific rim nations, and ships dairy quality hay to most of the western U.S. Weevils and aphids reduced yields on the first cutting of alfalfa, but good weather conditions and ample water supplies helped offset early losses. Most of the first and second crops were harvested without rain damage, while the final crops did not fare so well. Utah's hay output for 1986 totaled 2.14 million tons--2 percent higher than 1985 but 1 percent below the 1984 level. Hay was harvested from 625,000 acres, 3 percent more than in 1985 and 2 percent above 1984. Average yield per acre was 3.42 tons compared with 3.44 tons in 1985 and the 1984 average of 3.54. Average value per ton was $62.50 and total production was valued at $133.4 million, down 4 percent from 1985.

Winter Wheat: With almost perfect weather for dryland wheat, a bumper crop was harvested. Total production totaled a record high 8.1 million bushels--15 percent above the 1985 output and 1 percent above the previous record set in 1981. Winter wheat was harvested from 225,000 acres, up 2 percent from last year and 15 percent above the 1984 level. Average yield, a record high 36 bushels per acre, was 4 bushels above 1985 and 1 bushel above the previous 1983 record. Average value was $2.45 per bushel, with production valued at $19.8 million, 7 percent below 1985.

Spring Wheat: Spring wheat was seeded on 35,000 acres, with 33,000 acres harvested in 1986--18 percent below the previous year and 8 percent below 1985. Acreage reduction is primarily the result of less winter kill of winter wheat, thus reducing the need to replant to spring wheat. Production, at 1.65 million bushels, was up 3 percent from 1985 and 2 percent from the 1984 output. Average yield, at 50 bushels per acre, was up 10 bushels from last year and just 1 bushel below the 1983 record. Average value was $2.50 per bushel, giving a total value of production for spring wheat of $4.13 million, 17 percent below 1985.

Barley: A total of 11.6 million bushels of barley was produced in 1986, 2 percent below 1985 and slightly below 1984. Acres for harvest totaled 152,000, 4 percent below both 1985 and 1984. Average yield, at 76 bushels per acre, was 2 bushels above the previous year but well below the 80 bushel record set in 1982. With an average value of $1.85 per bushel, value of the crop was placed at $21.4 million, 20 percent below the 1985 level.

Oats: Half of the 24,000 acres planted to oats was harvested for grain in 1986, with the remainder harvested for hay. Average yield for grain was a record high 72 bushels per acre--1 bushel above the 1985 record of 71 and 5 bushels above 1984. Production totaled 864,000 bushels, 6 percent below the previous year and slightly below 1984. Average value per bushel was $1.50 and the value of the crop totaled $1.3 million, 15 percent below 1985.

Corn for grain: Despite a weather-delayed harvest, production totaled a record high 2.25 million bushels, 22 percent above last year and 12 percent above the previous record set in 1982. Acres harvested for grain was a record high 18,000, up 13 percent from 1985 and 6 percent above the record 1982 level. Average yield was also a new record high, at 125 bushels per acre. This compares with the 1985 yield of 115, and the previous record of 118 bushels set in 1982 and 1984. With an average value of $2.30 per bushel, the total value of the crop was $5.2 million, slightly above the previous year and 17 percent below the 1984 level.

Corn for Silage: Corn silage was harvested from 52,000 acres, 15 percent below 1985 and the lowest level since 1970. Average yield, at 19.5 tons per acre, was one-half ton below 1985 and 1 ton below the record high 20.5 tons set in 1984. Production, at 1.01 million tons, was 17 percent below last year and 20 percent below 1984. Average value was $20.00 per ton, giving a total production value of $20.3 million--23 percent below 1985.

Dry Edible Beans: Most of Utah's crop is grown on dryland ground in the southeast; however during 1986 beans were commercially grown on irrigated ground in northern Utah. The irrigated crop was a success, and higher irrigated yields offset dryland yield reductions due to an early snow and an extended harvest period. Total bean production, at 41,000 hundredweight (cwt.), was 3 percent above 1985 but 24 percent below the 1984 level. Average yield, at 480 pounds per acre, was equal to 1985, but 100 pounds below the 1984 yield. Average value of the beans was $15.00 per cwt., and value of production totaled $615,000--15 percent below 1985.

Corn: Acreage Planted and Acreage Harvested by Use, Utah, Selected Years.

Year	Planted Total	Harvested			
		Total	For Silage	For Grain	For Forage 1/
	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres	1,000 Acres
1940	29	27	10	10	7
1950	31	30	21	5	4
1960	49	47	41	3	3
1970	63	62	49	10	3
1978	92	90	71	16	3
1979	96	94	76	16	2
1980 2/	100	97	79	15	3
1981	90	87	70	15	2
1982	90	88	69	17	2
1983	80	77	61	14	2
1984	82	80	62	16	2
1985	80	79	61	16	2
1986	72	3/70	52	18	3/

1/ Includes corn hogged, grazed, and that cut and fed without removing ears. 2/ Record high acreage planted, ties 1975 and 1976. 3/ Estimates of corn acreage harvested for forage discontinued in 1986, total harvested acreage includes only that harvested for grain or silage.

Corn Harvested for Silage: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres Harvested	Yield Per Acre	Production	Season Average Price	Value of Production
	1,000 Acres	Tons	1,000 Tons	Dollars per Ton	1,000 Dollars
1940	10	9.4	94	--	--
1950	21	11.0	231	7.50	1,732
1960	41	14.5	594	8.00	4,752
1970	49	18.0	882	9.80	8,644
1976 1/	80	16.0	1,280	17.30	22,144
1978	71	16.0	1,136	15.80	17,949
1979	76	19.5	1,482	18.30	27,121
1980	79	19.0	1,501	21.10	31,671
1981	70	19.5	1,365	19.70	26,891
1982	69	20.0	1,380	21.50	29,670
1983	61	20.0	1,220	23.00	28,060
1984	62	20.5	1,271	23.00	29,233
1985	61	20.0	1,220	21.50	26,230
1986	52	19.5	1,014	20.00	20,280

1/ Record high acreage harvested for silage, ties 1975.

Corn Harvested for Grain: Acreage Harvested, Yield, Production, Sales, and Value, Utah, Selected Years.

Year	Acres Harvested	Yield per Acre	Production	Season Average Price	Value of Production
	1,000 Acres	Bushel	1,000 Bushels	Dollars per Bu.	1,000 Dollars
1940	10	29.0	290	--	--
1950	5	50.0	250	--	--
1960	3	64.0	192	1.50	288
1970	10	90.0	900	1.40	1,260
1978	16	90.0	1,440	2.65	3,816
1979	16	94.0	1,504	2.95	4,437
1980	15	100.0	1,500	3.75	5,625
1981	15	110.0	1,650	3.37	5,561
1982	17	118.0	2,006	3.10	6,219
1983	14	110.0	1,540	3.71	5,713
1984	16	118.0	1,888	3.15	5,947
1985	16	115.0	1,840	2.80	5,152
1986 1/	18	125.0	2,250	2.30	5,175

1/ Record high acreage of corn harvested for grain.

Winter Wheat: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Marketing Year Average Price 1/	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Bushel	1,000 Bushel	Dollars per Bu.	1,000 Dollars
1940............	191	180	19.0	3,420	.63	2,155
1950............	344	326	16.0	5,216	1.86	9,702
1953 2/.........	362	342	17.0	5,814	1.90	11,047
1960............	193	181	18.5	3,348	1.71	5,725
1970............	200	191	27.0	5,157	1.41	7,271
1978............	263	231	29.0	6,699	2.99	20,030
1979............	271	242	24.0	5,808	3.65	21,199
1980............	260	242	31.0	7,502	3.95	29,633
1981............	250	235	34.0	7,990	3.72	29,723
1982............	240	233	33.0	7,689	3.30	25,374
1983............	220	190	35.0	6,650	3.28	21,812
1984............	230	195	33.0	6,435	3.35	21,557
1985............	230	220	32.0	7,040	3.00	21,120
1986............	235	225	36.0	8,100	2.45	19,845

1/ Prior to 1979 includes adjustment for outstanding loans and government purchases. Starting 1979 excludes adjustment for outstanding loans and government purchases. 2/ Record high acreage of winter wheat harvested.

Spring Wheat: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Marketing Year Average Price 1/	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Bushel	1,000 Bushel	Dollars per Bu.	1,000 Dollars
1918 2/.........	--	160	25.0	4,000	1.88	7,520
1940............	68	66	31.0	2,046	.65	1,330
1950............	84	82	32.0	2,624	1.86	4,881
1960............	52	48	40.5	1,944	1.61	3,130
1970............	23	21	44.0	924	1.36	1,257
1978............	47	39	36.0	1,404	2.94	4,128
1979............	43	40	41.0	1,640	3.50	5,740
1980............	32	30	48.0	1,440	3.80	5,472
1981............	32	30	45.0	1,350	3.71	5,009
1982............	35	33	48.0	1,584	3.40	5,386
1983............	30	27	51.0	1,377	3.43	4,723
1984............	39	36	45.0	1,620	3.52	5,702
1985............	44	40	40.0	1,600	3.05	4,880
1986............	35	33	50.0	1,650	2.50	4,125

1/ Prior to 1979 includes adjustment for outstanding loans and government purchases. Starting 1979 excludes adjustment for outstanding loans and government purchases. 2/ Record high acreage of Spring wheat harvested.

All Wheat: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Marketing Year Average Price 1/	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Bushel	1,000 Bushel	Dollars per Bu.	1,000 Dollars
1940............	259	246	22.2	5,466	.64	3,485
1950............	428	408	19.2	7,840	1.86	14,583
1953 2/.........	467	444	20.7	9,180	1.89	14,350
1960............	245	229	23.1	5,292	1.67	8,855
1970............	223	212	28.7	6,081	1.40	8,528
1978............	310	270	30.0	8,103	2.98	24,158
1979............	314	282	26.4	7,448	3.62	26,939
1980............	292	272	32.9	8,942	3.93	35,105
1981............	282	265	35.2	9,340	3.72	34,732
1982............	275	266	34.9	9,273	3.32	30,760
1983............	250	217	37.0	8,027	3.31	26,535
1984............	269	231	34.9	8,055	3.38	27,259
1985............	274	260	33.2	8,640	3.01	26,000
1986............	270	258	37.8	9,750	2.46	23,970

1/ Prior to 1979 includes adjustment for outstanding loans and government purchases. Starting 1979 excludes adjustment for outstanding loans and government purchases. 2/ Record high acreage of all wheat harvested.

Barley: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Marketing Year Average Price 1/	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Bushel	1,000 Bushel	Dollars per Bu.	1,000 Dollars
1940...........	109	107	41.0	4,387	.46	2,018
1950...........	146	141	44.0	6,204	1.16	7,197
1957 2/........	197	190	45.0	8,550	.93	7,952
1960...........	160	147	43.5	6,394	1.00	6,394
1970...........	148	141	58.5	8,249	1.07	8,826
1978...........	165	150	65.0	9,750	2.04	19,890
1979...........	160	145	72.0	10,440	2.39	24,952
1980...........	162	148	79.0	11,692	2.88	31,116
1981...........	169	154	72.0	11,088	2.61	28,940
1982...........	171	161	80.0	12,880	2.31	29,753
1983...........	160	154	74.0	11,396	2.80	31,909
1984...........	170	159	73.0	11,607	2.50	29,018
1985...........	172	159	74.0	11,766	2.28	26,826
1986...........	165	152	76.0	11,552	1.85	21,371

1/ Prior to 1979 includes adjustment for outstanding loans and government purchases. Starting 1979 excludes adjustments for outstanding loans and government purchases. 2/ Record high acreage of barley harvested.

Oats: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Marketing Year Average Price 1/	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Bushel	1,000 Bushel	Dollars per Bu.	1,000 Dollars
1910 2/........	--	82	39.5	3,239	.49	1,587
1940...........	46	39	39.0	1,521	.34	517
1950...........	56	51	45.0	2,295	.89	2,043
1960...........	29	23	46.0	1,058	.83	878
1970...........	24	17	60.0	1,020	.76	775
1978...........	27	15	58.0	870	1.55	1,349
1979...........	26	15	60.0	900	1.70	1,530
1980...........	26	15	61.0	915	1.95	1,784
1981...........	26	14	64.0	896	2.28	1,819
1982...........	28	15	68.0	1,020	1.85	1,887
1983...........	26	14	68.0	952	1.97	1,875
1984...........	26	13	67.0	871	1.92	1,672
1985...........	26	13	71.0	923	1.65	1,523
1986...........	24	12	72.0	864	1.50	1,296

1/ Prior to 1979 includes adjustment for outstanding loans and government purchases. Starting 1979 excludes adjustments for outstanding loans and government purchases. 2/ Record high acreage of oats harvested.

Dry Beans: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Pounds	1,000 Cwt.	Dollars per Cwt.	1,000 Dollars
1940...........	9	9	500	40	3.55	142
1950...........	12	11	280	27	6.40	173
1960...........	8	6	300	18	7.10	128
1970 1/........	20	20	430	86	7.90	679
1978...........	9	8	300	24	17.90	430
1979...........	8	8	400	32	29.20	934
1980...........	12	11	380	42	28.00	1,176
1981...........	15	14	430	60	12.40	744
1982...........	11	10	460	46	11.70	538
1983...........	7	6.9	600	41	22.00	902
1984...........	9.5	9.3	580	54	16.50	891
1985...........	8.5	8.4	480	40	18.00	720
1986...........	9.0	8.5	480	41	15.00	615

1/ Record high acreage of dry beans harvested.

Potatoes: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres		Yield per Acre	Production	Season Average Price	Value of Production
	Planted	Harvested				
	1,000 Acres	1,000 Acres	Cwt.	1,000 Cwt.	Dollars per Cwt.	1,000 Dollars
1940	13.0	12.9	102	1,316	.70	921
1943 1/	20.2	19.6	105	2,058	2.12	4,356
1950	13.5	13.0	147	1,911	1.75	3,344
1960	8.3	7.9	170	1,343	2.28	3,062
1970	6.0	5.9	170	1,003	2.38	2,387
1978	6.0	5.9	245	1,446	4.10	5,929
1979	5.6	5.5	250	1,375	4.30	5,913
1980	5.3	5.2	225	1,170	5.15	6,026
1981	6.2	6.1	220	1,342	5.00	6,710
1982	6.4	6.4	225	1,440	4.00	5,760
1983	6.0	5.9	230	1,357	4.70	6,378
1984	6.5	6.4	270	1,728	5.05	8,726
1985	6.6	6.5	255	1,658	4.50	7,461
1986	6.4	6.4	275	1,760	4.35	7,656

1/ Record high acreage of potatoes harvested.

Potatoes: Production, Farm Use, Sales, and Value, Utah, Selected Years.

Year	Production	Total Used for Seed 1/	Farm Disposition			Price per Cwt.	Value of Sales
			Used on Farms Where Grown		Sold		
			For Seed, Feed, and Household Use	Shrinkage, and Loss			
	1,000 Cwt.	1,000 Cwt.	1,000 Cwt.	1,000 Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1940	1,316	--	--	--	915	.70	640
1950	1,911	--	--	--	1,540	1.75	2,695
1960	1,343	118	119	117	1,107	2.28	2,524
1970	1,003	81	49	90	864	2.38	2,056
1977	1,416	120	24	160	1,232	3.04	3,745
1978	1,446	123	19	137	1,290	4.10	5,289
1979	1,375	117	37	95	1,243	4.30	5,345
1980	1,170	149	31	119	1,020	5.15	5,253
1981	1,342	154	35	99	1,208	5.00	6,040
1982	1,440	138	52	140	1,248	4.00	4,992
1983	1,357	156	28	85	1,244	4.70	5,847
1984	1,728	158	17	104	1,607	5.05	8,115
1985 2/	1,658	154	71	171	1,416	4.50	6,372
1986 3/							

1/ Includes seed purchased and seed used on farms where grown. 2/ Preliminary. 3/ Available September 25, 1987.

All Hay: Acreage, Yield, Production, and Value, Utah, Selected Years.

Year	Acres Harvested	Yield per Acre	Production	Season Average Price	Value of Production
	1,000 Acres	Tons	1,000 Tons	Dollars per Ton	1,000 Dollars
1930 1/	686	2.02	1,383	8.60	11,894
1940	553	1.92	1,059	10.50	11,120
1950	534	1.91	1,020	22.20	22,644
1960	566	2.26	1,281	26.40	33,818
1970	563	2.91	1,638	25.00	40,950
1978	594	3.18	1,886	47.00	88,642
1979	603	3.37	2,035	55.00	111,430
1980	605	3.43	2,076	70.00	144,060
1981	610	3.61	2,204	59.50	130,067
1982	608	3.52	2,142	66.00	141,372
1983	595	3.45	2,055	77.00	158,235
1984	610	3.54	2,160	70.50	152,280
1985	605	3.44	2,084	67.00	139,628
1986	625	3.42	2,135	62.50	133,438

1/ Record high acreage of all hay harvested.

Hay Crops: Acreage, Yield, Production, Utah, Selected Years.

Year	Acres Harvested	Yield per Acre	Production	Year	Acres Harvested	Yield per Acre	Production
	1,000 Acres	Tons	1,000 Tons		1,000 Acres	Tons	1,000 Tons
		Alfalfa Hay				All Other Hay 1/	
1940	431	2.10	905	1940	122	1.26	154
1950	361	2.20	794	1950	173	1.31	226
1960	439	2.55	1,119	1960	127	1.28	162
1970	441	3.25	1,433	1970	122	1.68	205
1978	470	3.55	1,669	1978	124	1.75	217
1979	475	3.80	1,805	1979	128	1.80	230
1980	470	3.90	1,833	1980	135	1.80	243
1981	475	4.10	1,948	1981	135	1.90	256
1982	470	4.00	1,880	1982	138	1.90	262
1983	455	3.90	1,775	1983	140	2.00	280
1984	470	4.00	1,880	1984	140	2.00	280
1985	460	3.90	1,794	1985	145	2.00	290
1986	470	3 90	1,833	1986	155	1.95	302

1/ Includes clover-timothy hay, grain hay, other tame hay and wild hay for which separate estimates were discontinued in 1971.

Grain Stocks - Wheat: On Farms, Off Farms, and Total, by Quarters, Utah, Selected Years.

Year Beginning	Sep. 1	Oct. 1	Dec. 1	Following Year				
				Jan. 1	Mar. 1	Apr. 1	Jun. 1	Jul. 1
	1,000 Bushels							
	On Farms							
1950.......	--	4,704	--	3,685	--	2,587	--	588
1960.......	--	3,122	--	2,487	--	1,005	--	370
1970.......	--	3,588	--	2,068	--	1,034	--	304
1980.......	--	3,577	--	2,593	--	2,236	1,341	--
1982.......	--	5,564	--	4,358	--	2,875	2,040	--
1983.......	--	6,582	--	4,335	--	3,371	2,649	--
1984.......	--	5,397	--	2,980	--	1,611	967	--
1985.......	--	5,184	--	3,888	--	1/	--	--
1986.......	--	--	--	--	--	--		
	Off Farms 2/							
1950.......	--	7,535	--	6,628	--	4,908	--	3,398
1960.......	--	7,116	--	5,867	--	4,369	--	2,105
1970.......	--	5,424	--	5,323	--	4,252	--	2,264
1980.......	--	7,527	--	5,898	--	4,748	3,881	--
1982.......	--	7,111	--	7,023	--	5,683	4,826	--
1983.......	--	9,179	--	7,105	--	6,997	4,964	--
1984.......	--	8,126	--	7,065	--	5,512	4,893	--
1985.......	--	8,541	--	6,956	--	4,446	3,215	--
1986.......	7,498	--	9,440	--	9,800	--		
	Total All Positions							
1950.......	--	12,239	--	10,313	--	7,495	--	3,986
1960.......	--	10,238	--	8,354	--	5,374	--	2,475
1970.......	--	9,012	--	7,391	--	5,286	--	2,568
1980.......	--	11,104	--	8,491	--	6,984	5,222	--
1982.......	--	12,675	--	11,381	--	8,558	6,866	--
1983.......	--	15,761	--	11,440	--	10,368	7,613	--
1984.......	--	13,523	--	10,045	--	7,123	5,860	--
1985.......	--	13,725	--	10,844	--	3/	--	--
1986.......	--	--	--	--	--	--		

1/ Utah on farms stock estimates not published separately starting Apr. 1, 1986. Included in "unallocated" estimate of National release. 2/ Includes stocks at mills, elevators, warehouses, terminals, processors, and CCC owned grain at bin sites. 3/ Not available starting Apr. 1, 1986.

Grain Stocks - Barley: On Farms, Off Farms, and Total, by Quarters, Utah, Selected Years.

Year Beginning	October 1	Following Year			
		January 1	April 1	June 1	July 1
	1,000 Bushels	1,000 Bushels	1,000 Bushels	1,000 Bushels	1,000 Bushels
			On Farms		
1950......	4,219	3,102	1,737	--	496
1960......	4,923	3,197	1,598	--	895
1970......	5,939	3,795	2,062	--	577
1980......	5,261	4,677	2,923	1,286	--
1982......	7,342	6,054	2,318	902	--
1983......	5,698	4,103	2,279	1,595	--
1984......	5,687	4,411	1,625	580	--
1985......	6,707	4,353	1/	941	--
1986......				3/	
			Off Farms 2/		
1950......	1,642	974	690	--	523
1960......	1,653	1,087	848	--	477
1970......	3,990	3,110	1,364	--	755
1980......	5,563	3,356	1,585	856	--
1982......	5,556	4,344	2,670	1,563	--
1983......	3,185	1,951	1,583	736	--
1984......	6,217	4,166	2,076	1,140	--
1985......	4,696	3,355	1/	1,120	--
1986......				3/	
			Total All Positions		
1950......	5,861	4,076	2,427	--	1,019
1960......	6,576	4,284	2,446	--	1,372
1970......	9,929	6,905	3,426	--	1,332
1980......	10,824	8,033	4,508	2,142	--
1982......	12,898	10,398	4,988	2,465	--
1983	8,883	6,054	3,862	2,331	--
1984......	11,904	8,577	3,701	1,720	--
1985......	11,403	7,708	1/	2,061	--
1986......				3/	

1/ Program changes discontinued barley stocks estimates for April 1, October 1, and January 1. Estimates will continue for June 1 only. 2/ Includes stocks at mills, elevators, warehouses, terminals, processors, and CCC owned grain at bin sites. 3/ Estimate published June 30, 1987.

Grain Stocks - Oats: On Farms, Off Farms, and Total, by Quarters, Utah, Selected Years.

Year Beginning	October 1	Following Year			
		January 1	April 1	June 1	July 1
	1,000 Bushels	1,000 Bushels	1,000 Bushels	1,000 Bushels	1,000 Bushels
			On Farms		
1950......	2,020	1,606	918	--	344
1960......	984	730	296	--	148
1970......	898	541	377	--	214
1980......	595	503	265	183	--
1982......	816	694	459	204	--
1983......	971	543	428	228	--
1984......	897	540	235	87	--
1985......	831	738	1/		--
			Off Farms 2/		
1950......	167	244	154	--	96
1960......	1,085	802	376	--	223
1970......	218	216	145	--	104
1980......	199	113	136	130	--
1982......	205	120	106	50	--
1983......	122	90	136	67	--
1984......	156	130	198	119	--
1985......	164	445	1/	47	--
1986......				3/	
			Total All Positions		
1950......	2,187	1,850	1,072	--	440
1960......	1,085	802	376	--	223
1970......	1,116	757	522	--	318
1980......	794	616	401	313	--
1982......	1,021	814	565	254	--
1983......	1,093	633	564	295	--
1984......	1,053	670	433	206	--
1985......	995	1,183	1/		--

1/ Program changes discontinued the oat stocks estimate for April 1, October 1, and January 1. Estimates will continue for June 1, but only off farm stocks estimates will be published. Utah's "on farm" estimates will be included in "unallocated" in the National release estimate. 2/ Includes stocks at mills, elevators, warehouses, terminals, processors, and CCC owned grain at bin sites. 3/ Available June 30, 1987.

Grain Stocks - Corn: On Farms, Off Farms, and Total, by Quarters, Utah, Selected Years.

Year Beginning	Dec. 1	Following Year						
		Jan. 1	Mar. 1	Apr. 1	Jun. 1	Jul. 1	Sep. 1	Oct. 1
	1,000 Bushels							
On Farms								
1950.......	--	88	--	50	--	4	--	2
1960.......	--	111	--	50	--	8	--	2
1970.......	--	1/	--	1/	--	1/	--	1/
1980.......	--	600	--	330	150	--	--	75
1982.......	--	943	--	301	140	--	--	100
1983.......	--	693	--	185	92	--	--	62
1984.......	--	642	--	359	113	--	--	76
1985.......	--	589	--	2/	--	--	--	--
1986.......	--	--	--	--				
Off Farms 3/								
1950.......	--	70	--	88	--	115	--	59
1960.......	--	426	--	390	--	552	--	99
1970.......	--	245	--	324	--	285	--	143
1980.......	--	689	--	490	365	--	--	299
1982.......	--	401	--	322	256	--	--	125
1983.......	--	513	--	1,024	303	--	--	167
1984.......	--	533	--	384	267	--	--	192
1985.......	--	445	--	275	198	--	--	--
1986.......	5,254	--	5,621	--				
Total All Positions								
1950.......	--	158	--	138	--	119	--	61
1960.......	--	537	--	440	--	560	--	101
1970.......	--	1/	--	1/	--	1/	--	1/
1980.......	--	1,289	--	820	515	--	--	374
1982.......	--	1,344	--	623	396	--	--	225
1983.......	--	1,206	--	1,209	395	--	--	229
1984.......	--	1,175	--	743	380	--	--	268
1985.......	--	1,034	--	--	2/	--	--	--
1986.......	--	--	--	--				

1/ Estimate not made. 2/ Program changes have caused Utah's "on farm" stocks estimates to be included in "unallocated" estimates in the National release. Utah on farm corn stocks will not be published in the future. 3/ Includes stocks at mills, elevators, warehouses, terminals, processors, and CCC owned grain at bin sites.

FRUITS

The 1986 Utah fruit crop fell well below the previous year's level. Both years saw late frost and precipitation hamper pollination and fruit set, but in 1986 the late frost was even more untimely. Isolated areas of the State reported nearly complete crop losses.

Apple production, at 34.0 million pounds, was the lowest since 1972. The 1925 apple crop remains the record high, with 62.4 million pounds; while 1983 and 1973 tie for second, at 58.0 million pounds. Some areas reported apple scab problems, with as much as a 10 percent crop loss due to this problem. Producers received a record price of 14.6 cents per pound--1.7 cents per pound more than the last record set in 1982. The total value of sales was $4.96 million, which is lower than all but three of the past ten years.

Apricots in Utah got off to a shakey start in 1986. Warm weather in early April helped blossoming, and the cold wet weather reduced pollination. High winds during harvest caused considerable crop damage. Production for 1986 was the lowest since 1982. Producers received $382 per ton for their efforts, which was the highest price received since 1979. Total value, at $209,000, was below all but three of the previous 16 years.

Peach production was the lowest since 1982. However, at 10.5 million pounds, it was well above the 1.5 million pound record low in 1972. Growers received 17.7 cents per pound, on the average, for their produce. This was 7.4 cents below the record high set in 1982 and was the third highest price on record. The value of the crop, at $1,859,000, was the highest since 1981 which is the record high.

Pear production was down for the third year in a row. Lower tree numbers, coupled with poor pollination and set, contributed to the lower production. For the 1986 crop growers received $345 per ton--the highest price since 1978 and the second highest price on record. The crop value of $759,000 was $277,000 below the record crop value in 1983.

Sweet cherry producers had the second smallest crop since 1970, with production estimated at 2,160 tons. The average price received by producers was $714 per ton. This was the fourth highest price since records have been kept. The 1982 price was the highest, at $851 per ton--1985 was the second highest, at $773 per ton. The value of production, at $1,543,000, was the lowest since 1975 and $81,000 below 1985.

Tart cherry growers had a good year despite pollination and frost problems. Isolated areas reported wind damage during harvest, but damage was not extensive. Growers harvested 18.5 million pounds--the third highest harvest in Utah and only 3.5 million pounds below the record set in 1983. Producers received an average of 19.1 cents per pound--the lowest price since 1982. The value of the crop was $3,533,000, the seventh highest since 1970 but less than 40 percent of the record set in 1983.

Utah Fruit - Production and Value, 1968-1986.

Year	Apples	Peaches	Pears	Sweet Cherries	Tart Cherries	Apricots	Total
				Utilized Production - Tons			
1968.....	14,000	8,000	1/6,300	1/7,700	4,700	1,800	42,500
1969.....	21,000	7,500	5,500	3,300	6,200	1/3,100	46,600
1970.....	13,750	6,500	4,300	2,300	4,900	1,300	33,050
1971.....	12,500	6,500	4,200	4,600	6,700	2,500	37,000
1972.....	2,000	750	200	2/	650	0	3,600
1973.....	26,350	6,000	5,830	6,500	8,500	2,170	55,350
1974.....	18,500	8,000	3,200	5,000	5,800	550	41,050
1975.....	22,000	8,000	3,300	2,600	4,000	500	40,400
1976.....	20,000	1/8,400	3,900	5,400	8,500	1,750	47,950
1977.....	23,500	7,300	3,400	4,700	5,600	1,700	46,200
1978.....	17,500	5,500	1,700	2,400	5,650	500	33,250
1979.....	25,500	6,000	2,700	4,200	8,500	1,700	48,600
1980.....	25,000	5,500	3,000	4,100	6,450	1,500	45,550
1981.....	26,500	6,000	3,050	4,380	6,800	1,580	48,310
1982.....	27,000	1,750	2,600	2,070	4,500	160	38,080
1983.....	1/29,000	6,000	3,500	4,300	1/11,500	1,400	1/55,700
1984.....	22,500	6,000	3,100	3,850	6,000	680	42,130
1985.....	27,500	5,250	2,500	2,100	10,500	930	48,780
1986.....	17,000	5,250	2,200	2,160	9,250	600	36,460
				Value - $1,000			
1968.....	1,876	848	617	2,857	1,419	295	7,912
1969.....	1,701	834	506	1,076	995	397	5,509
1970.....	1,570	826	439	830	696	176	4,537
1971.....	1,785	845	365	1,118	1,072	350	5,535
1972.....	355	200	43	--	133	0	731
1973.....	3,531	1,512	624	2,035	2,839	315	10,856
1974.....	3,478	1,936	646	1,695	2,146	211	10,112
1975.....	2,772	2,144	485	1,079	760	193	7,433
1976.....	3,720	2,134	714	1,804	4,029	284	12,685
1977.....	4,982	1,840	816	2,167	3,203	423	13,431
1978.....	3,850	1,870	595	1,836	4,407	230	12,788
1979.....	6,528	2,040	756	2,516	7,412	816	20,068
1980.....	5,472	1,925	900	2,464	2,438	540	13,739
1981.....	5,678	2,232	1,007	2,785	5,065	379	17,146
1982.....	6,948	879	668	1,762	1,536	67	11,860
1983.....	5,784	1,800	1,036	2,808	9,254	364	21,046
1984.....	4,650	1,800	899	1,881	2,879	238	12,347
1985.....	6,650	1,785	735	1,624	4,832	353	15,979
1986.....	4,960	1,859	759	1,543	3,533	209	12,863

1/ Record high production since 1967. 2/ The 1972 sweet cherry crop was nearly a complete failure due to spring freezes. A few sweet cherries were produced, but production was too small to warrant a quantitative estimate.

Commercial Apples 1/: Production, Use, and Value, Utah, Selected Years.

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh	Processed		
	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Cents Per Lb.	1,000 $
1925......	62.4	--	62.4	--	--	2.4	1,469
1940......	22.3	2.7	19.6	--	--	1.7	339
1950......	13.5	--	13.5	--	--	5.4	733
1960......	10.3	--	10.3	--	--	4.8	496
1970......	28.0	.5	27.5	21.3	6.2	5.7	1,570
1976......	40.0	--	40.0	34.0	6.0	9.3	3,720
1977......	47.0	--	47.0	35.0	12.0	10.6	4,982
1978......	35.0	--	35.0	28.0	7.0	11.0	3,850
1979......	51.0	--	51.0	43.0	8.0	12.8	6,528
1980......	52.0	2.0	50.0	42.0	8.0	10.9	5,472
1981......	54.0	1.0	53.0	40.5	12.5	10.7	5,678
1982......	54.0	--	54.0	43.0	11.0	12.9	6,948
1983 2/...	58.0	--	58.0	44.0	14.0	10.0	5,784
1984......	45.0	--	45.0	33.0	12.0	10.3	4,650
1985......	57.0	2.0	55.0	44.5	10.5	12.1	6,650
1986 3/...	34.0	--	34.0			14.6	4,960

1/ Estimates through 1933 were for all apples. Since 1934 estimates are for commercial production including orchards with more than 100 trees. 2/ Record high apple production. 3/ Preliminary revised estimates available July 10, 1987.

Peaches: Production, Use, and Value, Utah, Selected Years.

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh	Processed		
	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Cents per Lb.	1,000 $
1922 1/.....	44.2	--	44.2	--	--	2.6	1,151
1940........	35.4	--	35.4	--	--	1.7	590
1950........	5.4	--	5.4	--	--	8.0	431
1960........	8.6	--	8.6	--	--	6.8	587
1970........	13.0	--	13.0	13.0	0	6.4	826
1978........	11.0	--	11.0	11.0	0	17.0	1,870
1979........	12.0	--	12.0	12.0	0	17.0	2,040
1980........	11.0	--	11.0	11.0	0	17.5	1,925
1981........	12.0	--	12.0	12.0	0	18.6	2,232
1982........	3.5	--	3.5	3.5	0	25.1	879
1983........	12.0	--	12.0	12.0	0	15.0	1,800
1984........	12.0	--	12.0	12.0	0	15.0	1,800
1985........	11.0	0.5	10.5	10.5	0	17.0	1,785
1986........	10.5	--	10.5	10.5	0	17.7	1,859

1/ Record high peach production.

Pears: Production, Use, and Value, Utah, Selected Years.

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh	Processed		
	Tons	Tons	Tons	Tons	Tons	Dollars per Ton	1,000 $
1940........	4,525	--	4,525	--	--	38.00	172
1950........	875	--	875	--	--	144.00	126
1954 1/.....	8,750	--	8,750	--	--	86.00	752
1960........	4,380	200	4,180	--	--	108.00	451
1970........	4,300	--	4,300	--	--	102.00	439
1978........	1,700	--	1,700	1,700	0	350.00	595
1979........	2,700	--	2,700	2,700	0	280.00	756
1980........	3,000	--	3,000	3,000	0	300.00	900
1981........	3,100	50	3,050	3,050	0	330.00	1,007
1982........	2,800	200	2,600	2,600	0	257.00	668
1983........	3,500	--	3,500	3,500	0	296.00	1,036
1984........	3,200	100	3,100	3,100	0	290.00	899
1985........	2,500	--	2,500	2,500	0	294.00	735
1986........	2,200	--	2,200	2,200	0	345.00	759

1/ Record high pear production.

Sweet Cherries: Production, Use and Value, Utah, Selected Years.

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh	Processed		
	Tons	Tons	Tons	Tons	Tons	Dollars per Ton	1,000 $
1940........	3,100	--	3,100	--	--	80.00	248
1950........	440	--	440	--	--	282.00	124
1960........	1,200	--	1,200	--	--	407.00	488
1968 1/.....	7,700	--	7,700	--	--	371.00	2,857
1970........	2,300	--	2,300	2,030	270	361.00	830
1978........	2,400	--	2,400	1,200	1,200	765.00	1,836
1979........	4,200	--	4,200	2,950	1,250	599.00	2,516
1980........	4,100	--	4,100	3,500	600	601.00	2,464
1981........	4,500	120	4,380	2,880	1,500	636.00	2,785
1982........	2,100	30	2,070	1,920	150	851.00	1,762
1983........	4,400	100	4,300	2/	2/	653.00	2,808
1984........	4,200	350	3,850	2/	2/	489.00	1,881
1985........	2,200	100	2,100	2/	2/	773.00	1,624
1986........	2,160	--	2,160	2/	2/	714.00	1,543

1/ Record high sweet cherry production. 2/ Data not published to avoid disclosure of individual operations.

Tart Cherries: Production, Use and Value, Utah, Selected Years.

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh	Processed		
	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Million Lbs.	Cents per Lb.	1,000 $
1940........	4.6	--	4.6	--	--	2.2	101
1950........	1.6	--	1.6	--	--	8.9	142
1960........	5.6	--	5.6	--	--	6.9	389
1970........	9.8	--	9.8	.8	9.0	7.1	696
1978........	11.3	--	11.3	.1	11.2	39.0	4,407
1979........	17.0	--	17.0	.4	16.6	43.6	7,412
1980........	13.0	.1	12.9	.3	12.6	18.9	2,438
1981........	14.0	.4	13.6	.6	13.0	37.2	5,065
1982........	9.0	--	9.0	.3	8.7	17.1	1,536
1983 1/.....	24.0	1.0	23.0	.2	22.8	40.2	9,254
1984........	12.0	--	12.0	.1	11.9	24.0	2,879
1985........	21.0	--	21.0	.2	20.8	23.0	4,832
1986........	18.5	--	18.5	.6	17.9	19.1	3,533

1/ Record high tart cherry production.

Apricots: Production, Use, and Value, Utah, Selected Yea

Year	Production			Utilization		Average Price	Value of Utilized Production
	Total	Not Utilized	Utilized	Fresh 1/	Processed		
	Tons	Tons	Tons	Tons	Tons	Dollars per Ton	1,000 $
1940........	7,800	--	7,800	--	--	27.20	212
1950........	400	--	400	--	--	180.00	72
1957 2/.....	11,000	1,000	10,000	--	--	62.10	621
1960........	2,500	--	2,500	--	--	96.60	242
1970........	1,300	--	1,300	1,300	0	135.00	176
1978........	500	--	500	500	0	460.00	230
1979........	1,700	--	1,700	1,700	0	480.00	816
1980........	1,500	--	1,500	1,500	0	360.00	540
1981........	1,600	20	1,580	1,580	0	240.00	379
1982........	200	40	160	160	0	420.00	67
1983........	1,400	--	1,400	1,400	0	260.00	364
1984........	800	120	680	680	0	350.00	238
1985........	1,100	170	930	930	0	380.00	353
1986........	700	100	600	600	0	382.00	209

1/ Small quantities processed are included in "fresh" to avoid disclosure of individual operations. 2/ Record high apricot production.

VEGETABLES

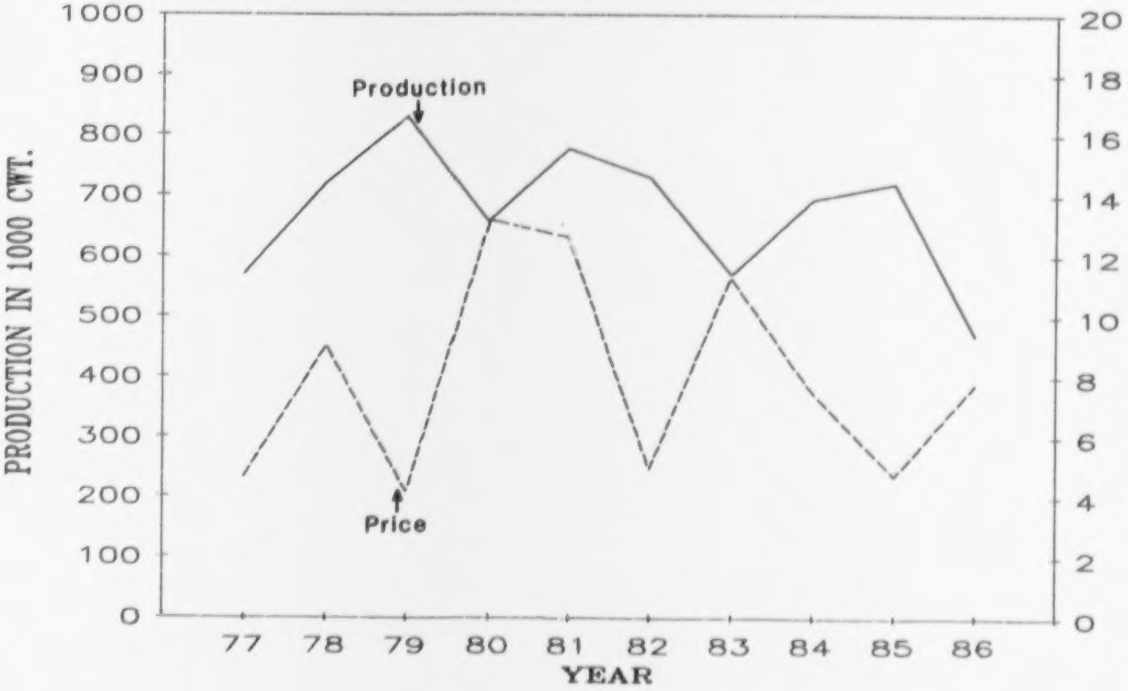
Utahn's harvested onions from 1,400 acres during 1986. Production was 469,000 hundredweight (cwt.), with a total value of $3,034,000.

Acreage fell for the second consecutive year to the lowest level since 1975. Harvested acreage showed a 100 acre abandonment which is normal for the State.

Yield per acre, at 335 cwt., was 115 cwt. below the previous year. Total production was the lowest it has been since 1976. It was down 251,000 cwt. from 1985 and 361,000 cwt. below the record set in 1979.

Producers received $7.76 per cwt., which was the fourth highest price ever received. The 1980 price of $13.20 per cwt. was the highest on record followed by 1981, 1983, and 1986. The value of the crop was 55 percent above last year's value, but 65 percent below the record value set in 1981.

ONION—SUMMER STORAGE
PRODUCTION AND PRICE



Onions, Summer Storage (Fresh Market): Acreage, Yield, Production, Value, and Stocks, Utah, Selected Years.

Year	Acreage		Yield per Acre	Production	Quantity not Sold 1/	Sales	Value of Sales	
	Planted	Harvested					Per Cwt.	Total
	Acres	Acres	Cwt.	1,000 Cwt.	1,000 Cwt.	1,000 Cwt.	Dollars	1,000 Dollars
1940...	--	1,100	200	220	38	182	.50	91
1944 2/	--	2,400	220	528	51	477	1.80	859
1950...	1,150	1,100	270	297	83	214	1.80	385
1960...	750	700	325	228	63	165	2.80	462
1970...	1,000	1,000	300	300	55	245	2.75	674
1979...	2,100	2,000	415	830	133	697	4.16	2,900
1980...	2,000	1,900	345	656	98	558	13.20	7,366
1981...	2,200	2,100	370	777	82	695	12.60	8,757
1982...	2,100	2,000	365	730	390	340	4.91	1,669
1983...	2,000	1,900	300	570	91	479	11.30	5,413
1984...	2,300	2,200	315	693	119	574	7.50	4,305
1985...	1,700	1,600	450	720	120	600	4.71	2,826
1986...	1,500	1,400	335	469	78	391	7.76	3,034

1/ Includes shrinkage, waste, and cullage. 2/ Record high acreage of onions.

Vegetables for Processing 1/: Acreage, Production, and Value, Utah, Selected Years.

Year	Acreage		Production	Value
	Planted	Harvested		Total
	Acres	Acres	Tons	1,000 Dollars
1940...............	--	22,460	83,900	1,526
1942 2/............	--	28,230	116,600	3,071
1950...............	--	24,870	103,000	3,139
1960...............	12,770	11,080	72,040	2,235
1970...............	9,000	8,300	45,900	1,981
1979...............	5,170	4,670	23,270	2,308
1980...............	4,900	4,890	19,900	2,245
1981...............	4,600	4,500	20,200	2,479
1982...............	3,040	2,640	9,500	2,145
1983...............	2,720	2,590	7,810	1,493
1984...............	2,350	2,250	8,150	1,432
1985...............	2,400	2,400	10,390	1,559
1986...............	1,230	1,230	3,330	496

1/ Includes tomatoes, green peas, sweet corn, snap beans, green lima beans, table beets, and cucumbers for pickles. 2/ Record high acreage harvested of vegetables for processing.

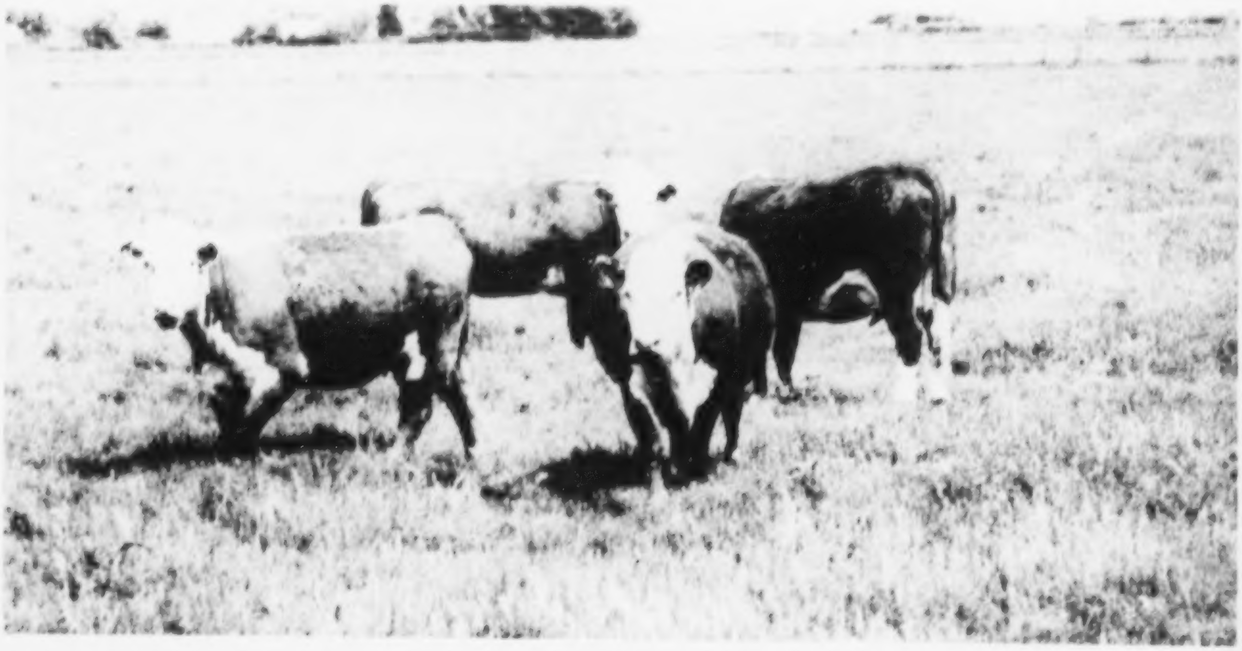
CATTLE AND CALVES

Cash receipts for cattle and calves in Utah were up during 1986 in spite of slightly lower steer and heifer prices. Marketings of 327 million pounds were 16 percent above the 283 million pounds recorded in 1985. Cash receipts, at $178 million, were up 15 percent from the $155 million the previous year. Production of Utah beef totaled 283 million pounds live weight during 1986, which was 9 percent above 1985.

Utah's inventory of cattle and calves on January 1, 1987, was 770 thousand head, 3 percent below last year's 790 thousand head. The 1987 total was the lowest inventory estimate for the State since January 1, 1969. The cow inventory, at 394,000 head, was up 4 percent from last year, with beef cows up 7 percent and dairy cows down 10 percent. Heifers held for beef replacements, at 45,000 head, were up 2 percent from last year. Milk cow replacements, at 36,000 head, were down 18 percent from the 44,000 head on hand January 1, 1986. Other heifers totaled 41,000 head, 21 percent above a year ago. Steers over 500 pounds totaled 90,000 head on January 1--off 5 percent from last year; while the inventory of calves under 500 pounds was off 18 percent to 145,000 head.

Cattle and calves on feed for slaughter totaled 36,000 head--up 9 percent from last year's 33,000 head. The 1986 calf crop totaled 340,000 compared with 320,000 head in 1985.

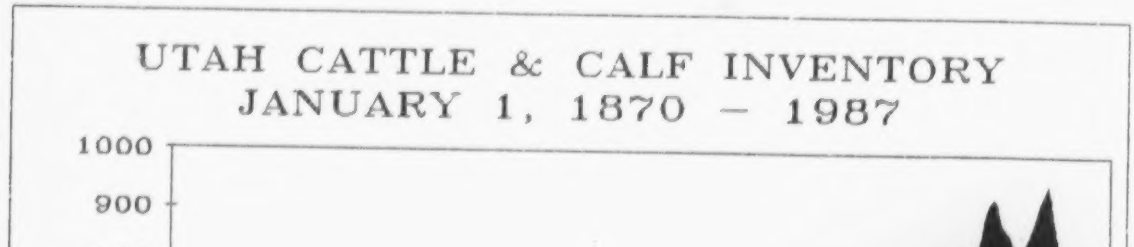
The number of operations with cattle in Utah during 1986 was estimated at 8,800, 500 below the 1985 estimate. Using a per head evaluation of $410, the total Utah inventory was valued at $315.7 million, 1 percent above the previous year.



All Cattle: Number of Cattle Farms, and Number and Value of Cattle on Farms, Utah, January 1, Selected Years

Year	Farms		Cattle on Farms January 1			
	With Cattle	With Milk Cows	Total Number	Value		On Feed For Market
				Per Head	Total	
			1,000 Head	Dollars	1,000 Dollars	1,000 Head
1940.........	--	--	432	38.20	16,502	--
1950.........	--	--	588	126.00	74,088	40
1960.........	--	--	719	136.00	97,784	61
1970.........	10,000	3,800	808	185.00	149,480	57
1980.........	10,000	2,700	840	505.00	424,200	60
1981.........	9,900	2,700	875	445.00	389,375	55
1982.........	9,800	2,800	920	365.00	335,800	48
1983 1/......	9,600	2,600	950	390.00	370,500	49
1984.........	9,500	2,400	865	400.00	346,000	35
1985.........	9,300	2,300	800	395.00	316,000	40
1986.........	8,800	2,100	790	395.00	312,050	33
1987.........	--	--	770	410.00	315,700	36

1/ Record high January 1 inventory.



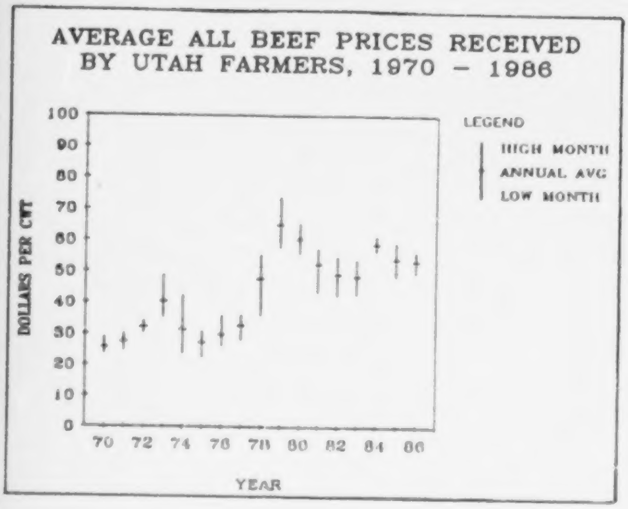
Cattle: Inventory by Classes and Age, Utah, January 1, Selected Years.

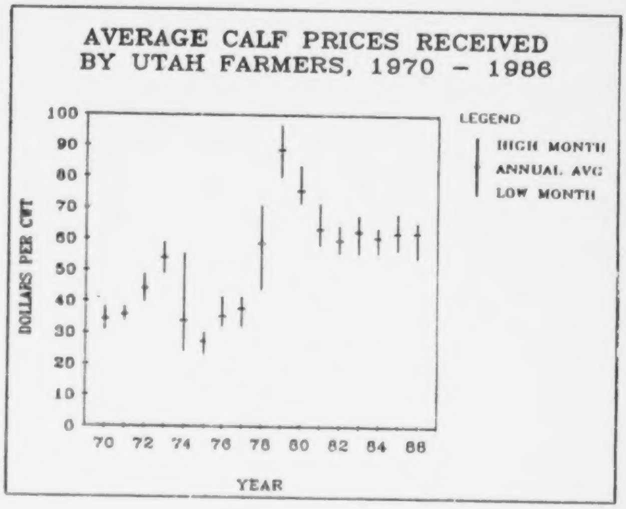
Year	All Cattle and Calves	For Milk			Beef Cattle				
		Cows and Heifers 2 Yrs.	Heifers 1-2 Yrs.	Heifer Calves	Cows 2 Yrs. +	Heifers 1-2 Yrs.	Calves	Steers 1 Yr. +	Bulls 1 Yr. +
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1940....	432	103	25	32	115	34	77	37	9
1950....	588	108	25	32	194	62	101	54	12
1960....	719	108	31	35	252	65	154	65	9
1969....	777	82	24	26	325	66	183	57	14
1970 1/.	808	82	25	28	342	69	188	59	15

1/ Beginning with January 1, 1971, the classification estimates for cattle were changed from sex and age to sex and weight--See Table below.

Cattle: Inventory by Classes and Weight, Utah, January 1, Selected Years.

Year	All Cattle and Calves	All Cows and Heifers that have Calved			Heifers 500 Pounds and Over				Steers 500 Lbs. & Over	Bulls 500 Lbs. & Over	Steers, Heifers & Bulls Under 500 Lbs.
		Total	Beef Cows	Milk Cows	Beef Cow Replacements	Milk Cow Replacements	Other	Total			
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1970..	806	392	316	76	52	44	26	122	75	17	202
1980..	840	400	325	75	54	42	33	129	80	18	213
1981..	875	424	344	80	61	42	29	132	77	20	222
1982..	920	450	364	86	56	42	29	127	78	21	244
1983..	950	460	374	86	67	35	42	144	104	22	220
1984..	865	424	340	84	54	37	28	119	104	17	201
1985..	800	369	289	80	45	40	31	116	96	16	203
1986..	790	380	298	82	44	44	34	122	95	17	176
1987..	770	394	320	74	45	36	41	122	90	19	145


AVERAGE ALL BEEF PRICES RECEIVED BY UTAH FARMERS, 1970 - 1986


AVERAGE CALF PRICES RECEIVED BY UTAH FARMERS, 1970 - 1986

Calf Crop: Utah, Selected Years

Year	Cows and Heifers 2 Yrs. & Older January 1	Cows that Have Calved January 1	Calves Born	Calves Born As Percent of Cows and Heifers 2+ January 1 1/ a/	Calves Born as Percent of Cows Calved January 1 1/ b/
	1,000 Head	1,000 Head	1,000 Head	Percent	Percent
1940......	218	--	174	80	--
1950......	302	--	263	87	--
1960......	360	--	317	88	--
1970......	424	392	372	88	95
1980......	--	400	358	--	90
1981......	--	424	375	--	88
1982......	--	450	385	--	86
1983......	--	460	350	--	76
1984......	--	424	310	--	73
1985......	--	369	320	--	87
1986......	--	380	340	--	89

1/ Not strictly a calving rate. Figure represents calves born expressed as percentage of the number of: a/ cows and heifers 2 years old and over on farms and ranches January 1 beginning of year, b/ cows that have calved on hand January 1 beginning of year.

Cattle and Calves: Inventory, Supply, and Disposition, Utah, Selected Years.

Year	Inventory Beginning of Year	Calf Crop	Inshipments	Marketings 1/		Farm Slaughter 2/	Deaths		Inventory End of Year
				Cattle	Calves	Cattle & Calves	Cattle	Calves	
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1940....	432	174	25	101	45	11	8	12	454
1950....	588	263	41	139	98	12	16	15	612
1960....	719	317	54	234	111	11	14	22	698
1970....	808	372	50	213	140	4	17	24	832
1980....	840	358	50	205	106	5	16	41	875
1981....	875	375	57	235	98	3	16	35	920
1982....	920	385	54	248	87	2	26	46	950
1983....	950	350	36	299	105	3	22	42	865
1984....	865	310	63	310	60	3	20	45	800
1985....	800	320	50	222	89	4	19	46	790
1986....	790	340	70	254	113	3	18	42	770

1/ Includes custom slaughter for use on farms where produced, State outshipments, but excludes interfarm sales within the State. 2/ Excludes custom slaughter at commercial establishments.

Cattle and Calves: Production and Income, Utah, Selected Years.

Year	Production 1/	Marketings 2/	Average Price per 100 Lbs.		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Cattle	Calves				
	1,000 Pounds	1,000 Pounds	Dollars	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars
1940......	105,545	103,170	6.80	8.90	--	7,478	198	7,676
1950......	157,125	158,135	23.20	26.80	--	38,794	850	39,644
1960......	217,665	257,715	18.40	23.40	41,993	49,373	1,172	50,545
1970......	256,121	259,978	25.60	34.20	70,803	71,552	2,189	73,741
1980......	257,490	251,370	60.30	75.50	161,267	156,938	7,518	164,456
1981......	318,600	289,000	52.30	63.30	173,241	155,910	7,462	163,372
1982......	300,220	290,130	49.10	59.70	150,512	146,511	5,131	151,642
1983......	298,095	367,600	48.40	62.40	149,895	184,533	5,518	190,051
1984......	259,040	357,400	58.60	60.70	152,317	209,940	6,124	216,064
1985......	260,660	282,975	53.90	61.90	142,356	155,193	5,121	160,314
1986......	283,430	326,875	53.30	62.10	153,774	177,954	5,570	183,524

1/ Adjustments made for inshipments and changes in inventories. 2/ Excludes custom slaughter use on farms where produced and interfarm sales within the State. 3/ Receipts from market of live cattle and sale of farm slaughter.

Commercial Cattle and Calf Slaughter 1/: Number and Liveweight, Utah, Annual, Selected Years, and Monthly 1985-86.

Year	Cattle			Calves 2/		
	Number	Weight per Head	Total Live Weight	Number	Weight per Head	Total Live Weight
	1,000 Head	Pounds	1,000 Pounds	1,000 Head	Pounds	1,000 Pounds
1944 3/.....	102.9	--	--	42.5	--	--
1950........	108.5	965	104,762	21.7	275	5,966
1960........	212.2	994	210,924	12.7	316	4,008
1970........	258.5	1,040	268,914	3.2	397	1,270
1979........	173.2	1,090	188,698	0.2	322	63
1980........	191.9	1,093	209,880	0.2	338	56
1981........	204.0	1,097	223,682	0.2	346	54
1982........	221.0	1,080	238,641	0.1	326	44
1983........	258.4	1,123	290,270	0.1	364	53
1984........	307.5	1,120	344,397	0.4	379	133
1985........	347.6	1,149	399,389	0.5	372	197
1986........	392.4	1,136	445,826	1.0	354	352
1985						
Jan.	29.2	1,119	32,695	4/	--	--
Feb.	27.0	1,132	30,501	4/	--	--
Mar.	27.6	1,147	31,654	4/	--	--
Apr.	28.3	1,134	32,031	4/	--	--
May	28.9	1,155	33,446	4/	--	--
Jun.	25.0	1,147	28,693	4/	--	--
Jul.	27.9	1,169	32,597	4/	--	--
Aug.	30.8	1,181	36,339	4/	--	--
Sep.	31.4	1,188	37,280	.1	382	23
Oct.	31.7	1,167	37,016	.1	380	27
Nov.	29.7	1,138	33,828	.1	376	35
Dec.	30.2	1,103	33,308	.1	348	28
1986						
Jan.	31.7	1,106	35,104	.1	360	37
Feb.	29.3	1,121	32,889	4/	--	--
Mar.	30.1	1,149	34,585	4/	--	--
Apr.	33.4	1,139	38,026	.2	350	80
May	30.0	1,141	34,230	.2	334	50
Jun.	33.6	1,115	37,409	.1	336	18
Jul.	35.2	1,140	40,073	.1	405	34
Aug.	32.8	1,137	37,276	.1	351	21
Sep.	33.4	1,154	38,518	.1	350	39
Oct.	35.0	1,144	40,104	4/	--	--
Nov.	30.9	1,139	35,171	.1	344	18
Dec.	37.0	1,148	42,442	4/	--	--

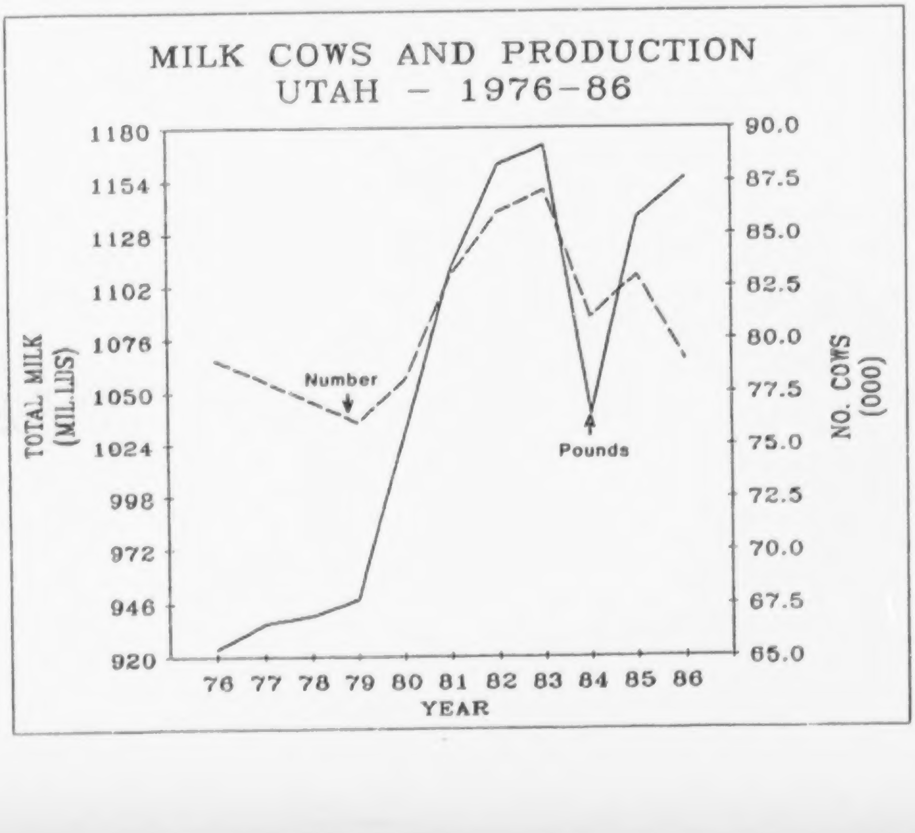
1/ Includes slaughter in Federally inspected plants and in other slaughter plants, but excludes animals slaughtered on farms. 2/ Annual data are incomplete in years that monthly data were not published to avoid disclosing individual operations. 3/ First year of record. 4/ Not printed to avoid disclosing individual operations.

DAIRY

Utah's total milk production in 1986, at 1,155 million pounds, was up 2 percent from the 1,135 million pounds recorded in 1985 and 3 percent above the five-year average for 1981-85 of 1,123 million pounds. Production increased in spite of a decrease in the average number of cows during 1986 to 79,000 cows compared with the 83,000 average the previous year. Production per cow of 14,620 pounds of milk was a 7 percent increase from the 13,675 pound average in 1985 and was 9 percent above the 1981-85 average of 13,369 pounds. The 1986 milk per cow average was a new record high. Milk fat production of 520 pounds per cow was 35 pounds above 1985.

Cash receipts from milk marketing during 1986 totaled $136.6 million, down slightly from $137.0 million recorded in 1985. The average price per hundredweight (cwt.) of milk was $12.11 compared with $12.31 received during 1985.

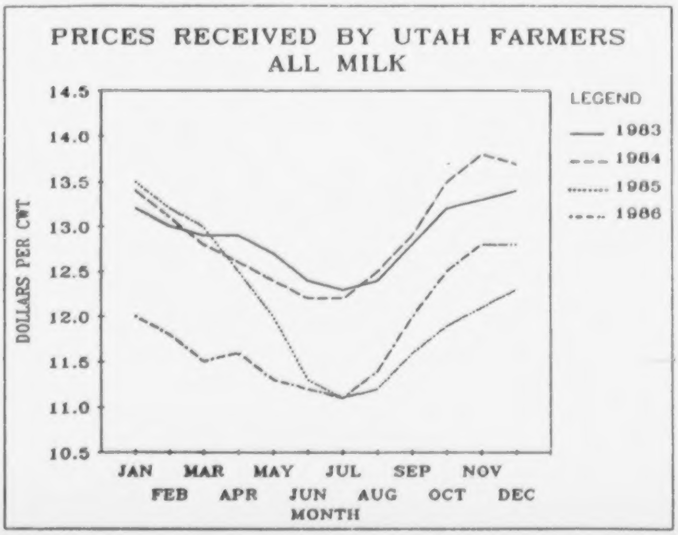
There were 23 plants manufacturing one or more dairy products in Utah during 1986. Total cheese production, at 68.5 million pounds, was 4 percent less than 1985. American type cheese, at 41.0 million pounds, was 60 percent of total cheese. Swiss cheese production of 23.8 million pounds was 35 percent of the total, with all other types accounting for the remainder. Butter production of 7.9 million pounds was 5 percent less than the 1985 total of 8.3 million pounds. Ice cream production, at 9.4 million gallons, increased by 8 percent.



Milk Cows and Milk Production by Months, Utah, 1979-86.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total 1/
Milk Cows 2/ (Thousand Head)													
1979......	78	77	77	76	76	76	76	76	76	75	75	75	76
1980......	75	76	76	77	78	78	79	80	79	79	78	79	78
1981......	80	80	81	82	83	84	84	85	85	85	86	86	83
1982......	86	86	86			3/86			3/85			3/85	86
1983......	86	85	86	87	88	89	88	87	86	85	86	86	87
1984......	84	82	81	81	81	82	82	81	80	80	80	80	81
1985......			3/80			3/83			3/85			3/83	83
1986......			3/82			3/81			3/79			3/75	79
Milk per Cow 4/ (Pounds)													
1979......	950	895	1030	1040	1120	1105	1130	1100	1030	1050	980	1030	12474
1980......	1080	1010	1120	1115	1195	1150	1190	1140	1075	1075	1015	1040	13179
1981......	1065	975	1145	1140	1195	1170	1200	1165	1095	1085	1030	1045	13370
1982......	1047	965	1116			5/3570			5/3588			5/3306	13512
1983......	1095	1010	1165	1160	1195	1180	1225	1210	1130	1105	1025	1025	13460
1984......	1010	960	1060	1070	1150	1130	1160	1110	1060	1060	990	1025	12827
1985......			5/3165			5/3505			5/3625			5/3410	13675
1986......			5/3475			5/3800			5/3770			5/3520	14620
Milk Produced (Million Pounds)													
1979......	74	69	79	79	85	84	86	84	78	79	74	77	948
1980......	81	77	85	86	93	90	94	91	85	85	79	82	1028
1981......	85	78	93	93	99	98	101	99	93	92	89	90	1110
1982......	90	83	96			6/307			6/305			6/281	1162
1983......	94	86	100	101	105	105	108	105	97	94	88	88	1171
1984......	85	79	86	87	93	93	95	90	85	85	79	82	1039
1985......			6/253			6/291			6/308			6/283	1135
1986......			6/285			6/308			6/298			6/264	1155

1/ Milk cows, average number during year. 2/ Includes dry cows, excludes heifers not yet fresh. 3/ Average for quarter. 4/ Excludes milk sucked by calves. 5/ Quarterly milk production divided by quarterly average of milk cows. 6/ Total produced for quarter.



Milk Cows and Production: Milk and Milkfat on Farms, Utah, Selected Years.

Year	Farms with milk cows	Number of milk cows on farms 1/	Production of Milk and Milkfat				
			Per milk cow		Percentage of fat in all milk produced	Total	
			Milk	Milkfat		Milk	Milkfat
	1,000	1,000	Pounds	Pounds	Percent	Million Pounds	Million Pounds
1940...		96	5,730	215	3.75	550	21
1950...		100	6,550	246	3.75	655	25
1960...		94	8,130	297	3.65	764	28
1970...	3.8	78	10,500	382	3.64	819	30
1980...	2.7	78	13,179	468	3.55	1,028	36.5
1981...	2.7	83	13,370	471	3.52	1,110	39.1
1982...	2.8	86	13,512	478	3.54	1,162	41.1
1983 2/	2.6	87	13,460	472	3.51	1,171	41.1
1984...	2.4	81	12,827	455	3.55	1,039	36.9
1985...	2.3	83	13,675	485	3.55	1,135	40.3
1986...	2.1	79	14,620	520	3.56	1,155	41.1

1/ Average number on farms during year, excluding heifers not yet fresh.
2/ Record high annual milk production.

Milk Disposition: Milk Used and Marketed by Farmers, Utah, Selected Years.

Year	Milk Used on Farms Where Produced				Milk Marketed by Farmers			
	Fed to Calves	Consumed as Fluid Milk and Cream	Used for Farm-Churned Butter	Total	Sold to Plants and Dealers		Sold Directly to Consumers	Total
					As Whole Milk	As Farm Separated Cream		
	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Million Pounds	Million Pounds
1940....	17	61	22	100	296	116	35	1/450
1950....	22	51	13	86	515	26	28	569
1960....	18	33	5	56	675	11	22	708
1970....	9	18	--	27	740	2	50	792
1980....	9	9	--	18	985	--	25	1,010
1981....	12	10	--	22	1,060	--	28	1,088
1982....	14	9	--	23	1,110	--	29	1,139
1983....	16	7	--	23	1,116	--	32	1,148
1984....	18	5	--	23	980	--	36	1,016
1985....	18	4	--	22	1,070	--	43	1,113
1986....	23	4	--	27	1,085	--	43	1,128

1/ Includes 3,000,000 for farm churned butter sold.

Milk and Cream Marketed by Farmers: Quality, Price and Cash Receipts, Utah, Selected Years.

Year	Milk Sold to Plants and Dealers				Cream Sold to Plants and Dealers			Milk Sold Directly to Consumers 2/		
	Quantity	Percent Fluid Grade 1/	Price per 100 Lb	Cash Receipts	Quantity Milkfat	Price per Lb Fat	Cash Receipts	Quantity	Price per Quart	Cash Receipts
	Million Pounds	Percent	Dol.	1,000 Dollars	1,000 Pounds	Cents	1,000 Dollars	1,000 Quarts	Cents	1,000 Dollars
1940..	296	--	1.45	4,292	4,330	30	1,299	16,000	7.7	1,232
1950..	515	--	3.69	19,004	970	62	601	13,000	16.0	2,080
1960..	675	--	4.07	27,472	400	55	220	10,000	18.0	1,800
1970..	740	71	5.48	40,552	71	59	42	23,256	21.5	5,000
1980..	985	70	12.50	123,125	--	--	--	11,628	38.0	4,419
1981..	1,060	68	13.10	138,860	--	--	--	13,023	40.0	5,209
1982..	1,110	67	12.90	143,190	--	--	--	13,488	41.0	5,530
1983..	1,116	65	12.90	143,964	--	--	--	14,884	41.0	6,102
1984..	980	66	12.90	126,420	--	--	--	16,744	43.0	7,200
1985..	1,070	74	12.00	128,400	--	--	--	20,000	43.0	8,600
1986..	1,085	78	11.80	128,030	--	--	--	20,000	43.0	8,600

1/ Percentage of milk sold to plants and dealers eligible for fluid use. 2/ Also includes milk produced by institutional herds.

Farm Dairy Products: Marketings, Income, and Value, Utah, Selected Years.

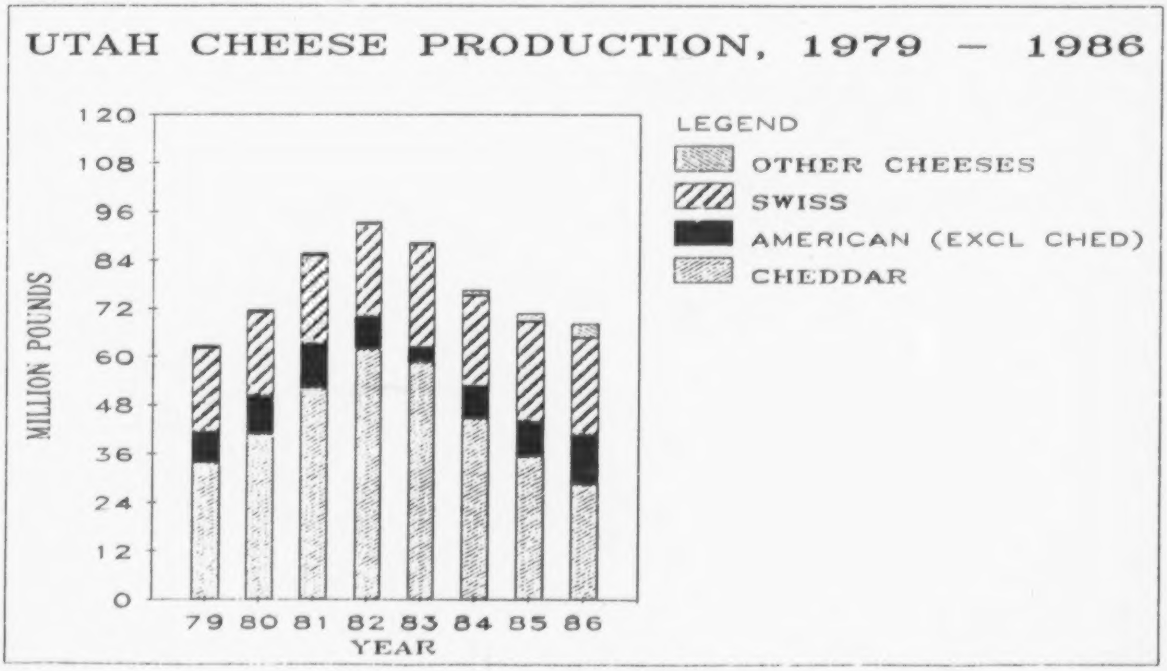
Year	Combined Marketings of Milk and Cream				Used for Milk Cream and Butter on Farms Where Produced		Gross Farm Income from Milk 1/	Farm Value of Milk Produced 2/
	Milk Utilized	Average Returns		Cash Receipts from Marketings	Milk Utilized	Value		
		Per 100 Pounds Milk	Per Pound Milkfat					
	Million Pounds	Dollars	Dollars	1,000 Dollars	Million Pounds	1,000 Dollars	1,000 Dollars	1,000 Dollars
1940....	450	1.53	.41	6,868	83	1,270	8,138	8,423
1950....	570	3.81	1.02	21,717	63	2,400	24,117	24,956
1960....	708	4.17	1.14	29,492	38	1,585	31,077	31,859
1970....	792	5.76	1.58	45,594	18	1,037	46,631	47,174
1980....	1,010	12.63	3.56	127,544	9	1,137	128,681	129,836
1981....	1,088	13.24	3.76	144,069	10	1,324	145,393	146,964
1982....	1,139	13.06	3.69	148,720	9	1,175	149,895	151,757
1983....	1,148	13.07	3.72	150,066	7	915	150,981	153,073
1984....	1,016	13.15	3.70	133,620	5	658	134,278	136,645
1985....	1,113	12.31	3.47	137,000	4	492	137,492	139,708
1986....	1,128	12.11	3.40	136,630	4	485	137,115	139,900

1/ Cash receipts from marketings of milk and cream plus value of milk used for home consumption. 2/ Includes value of milk fed to calves.

Butter and Cheese: Production, Utah, Selected Years.

Year	Butter	American Cheese			Swiss Cheese	Total Cheese 1/
		Cheddar	Other	All		
	1,000 Pounds	1,000 Pounds	1,000 Pounds	1,000 Pounds	1,000 Pounds	1,000 Pounds
1940......	10,426			4,496	0	4,496
1950......	5,834			6,901	5,163	12,064
1960......	7,106	5,460	608	6,068	5,890	11,958
1970......	8,411	18,279	3,911	22,190	10,776	32,966
1979......	4,889	33,666	7,660	41,326	21,244	62,828
1980......	5,592	40,554	9,709	50,263	21,144	71,659
1981......	7,947	52,047	11,407	63,454	22,156	85,877
1982......	7,870	61,651	8,470	70,121	23,055	93,389
1983......	7,616	58,649	3,947	62,596	25,581	88,359
1984......	6,369	44,571	8,230	52,801	22,455	76,666
1985......	8,315	35,343	8,939	44,282	24,729	71,088
1986......	7,936	28,368	12,667	41,035	23,841	68,450

1/ Excludes cottage cheese.


UTAH CHEESE PRODUCTION, 1979 – 1986

Cottage Cheese and Dry Whey: Production, Utah, Selected Years.

Year	Cottage Cheese		Dry Whey		
	Curd	Creamed	Human Food	Animal Feed	Total
	1,000 Pounds	1,000 Pounds	1,000 Pounds	1,000 Pounds	1,000 Pounds
1940..........	670	966			
1950..........	2,476	3,563			
1960..........	4,796	7,458			
1970..........	5,236	8,795	2/	2/	12,190
1979..........	5,094	1/8,389	21,556	1,599	23,155
1980..........	5,427	1/8,980	20,309	520	20,829
1981..........	6,022	1/9,452	22,138	775	22,913
1982..........	5,547	1/9,277	21,774	692	22,466
1983..........	5,412	1/8,979	18,440	497	18,937
1984..........	5,651	1/9,307	14,514	1,175	15,689
1985..........	5,598	1/9,408	18,949	487	19,436
1986..........	4,688	1/7,959	18,298	416	18,714

1/ Includes any low fat production. 2/ Less than 3 plants.

Frozen Products: Production, Utah, Selected Years.

Year	Ice Cream 1/	Ice Milk			Sherbet 1/	Water Ices
		Hard	Soft	Total		
	1,000 Gallons	1,000 Gallons	1,000 Gallons	1,000 Gallons	1,000 Gallons	1,000 Gallons
1940......	1,235	--	--	201	60	--
1950......	2,532	--	--	578	76	--
1960......	3,849	563	771	1,334	350	181
1970......	4,456	1,189	1,547	2,736	449	292
1979......	7,878	905	1,699	2,604	582	151
1980......	8,198	804	2,078	2,882	593	127
1981......	8,475	661	1,690	2,351	533	152
1982......	8,428	534	1,660	2,194	546	302
1983......	8,872	470	1,884	2,354	509	NA
1984......	8,108	427	2,024	2,451	507	1,261
1985......	8,712	442	2,051	2,493	603	NA
1986......	9,447	468	1,956	2,424	715	NA

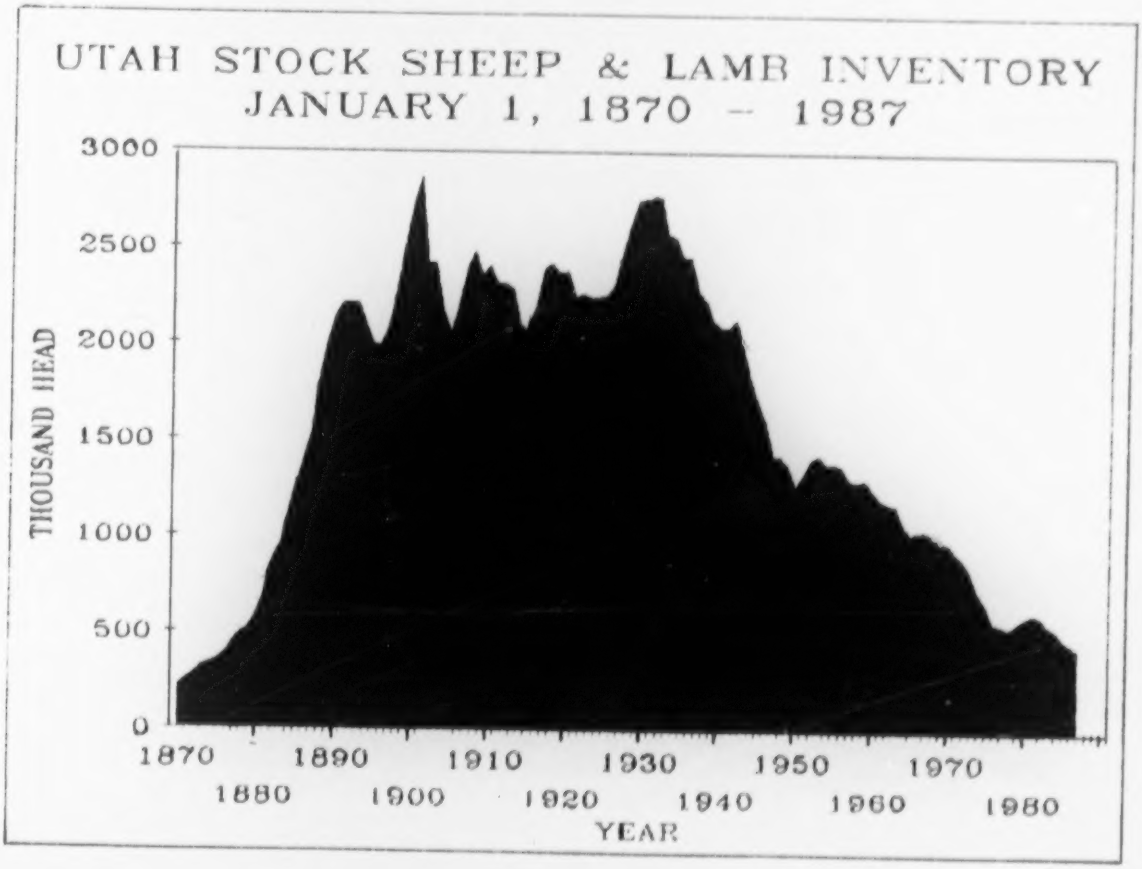
1/ Essentially all hard frozen.

SHEEP AND WOOL

Utah sheepmen had a total of 464,000 sheep and lambs on farms January 1, 1987, down 4 percent from last year's record low number. The stock sheep and lamb inventory on January 1, 1987, was 440,000 head, the lowest since 1901. This was down 4 percent from January 1, 1976, and 10 percent below January 1, 1985. Ewes over one year of age totaled 375,000 head, 6 percent below a year ago. Ewe lambs over 3 months of age were estimated at 50,000 head, 11 percent above the 45,000 head recorded last year. Sheep and lambs on feed for slaughter were 24,000 head, unchanged from last January. The 1986 Utah lamb crop of 400,000 head was down 5 percent from the 420,000 head of 1985.

Cash receipts during 1986 totaled $23.4 million, 5 percent below 1985. Marketings, at 40.6 million pounds, were 3 percent below last year and prices were generally stable. The sheep price during 1986 averaged $21.30 per hundredweight (cwt.), $2.80 above the 1985 average; and lamb prices averaged $65.30 per cwt., 40 cents below the 1985 average.

Wool production during 1986 totaled 4.7 million pounds, 3 percent below a year ago. Weight per fleece, at 10 pounds, was above the 9.6 pound average of the previous year.



Sheep: Number of Sheep Farms, and Number and Value of Sheep on Farms, Utah, January 1, Selected Years.

Year	Farms With Sheep	Sheep on Farms January 1			Stock Sheep Number	Sheep & Lambs on Feed
		Number	Value Per Head	Value Total		
		1,000 Head	Dollars	1,000 Dollars	1,000 Head	1,000 Head
1901 1/	--	--	--	--	2,882	--
1931 2/	--	2,935	--	18,784	2,775	160
1940	--	2,248	--	15,895	2,095	153
1950	--	1,329	--	27,028	1,269	60
1960	--	1,336	--	24,461	1,249	87
1970	3,000	1,053	--	33,998	978	75
1980	2,400	625	100.50	62,813	595	30
1981	2,500	650	86.00	55,900	620	30
1982	2,600	636	70.50	44,838	610	26
1983	2,600	590	58.00	34,220	560	30
1984	2,600	568	56.00	31,808	540	28
1985	2,500	515	63.50	32,703	490	25
1986	2,300	484	70.50	34,122	460	24
1987	--	464	83.00	38,512	440	24

1/ Record high January 1 Stock Sheep Inventory. 2/ Record high January 1 All Sheep Inventory.

Stock Sheep: Inventory by Classes, Utah, January 1, Selected Years.

Year	All Stock Sheep	Lambs		Sheep One Year and Over	
		Ewes	Wethers & Rams	Ewes	Rams & Wethers
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1940	2,095	310	23	1,706	56
1950	1,269	165	5	1,066	33
1960	1,249	144	6	1,065	34
1970	978	125	7	821	25
1980	595	80	9	491	15
1981	620	96	9	500	15
1982	610	84	6	505	15
1983	560	66	5	476	13
1984	540	60	4	465	11
1985	490	54	4	420	12
1986	460	45	3	400	12
1987	440	50	4	375	11

Lamb Crop: Utah, Selected Years.

Year	Breeding Ewes One Year and Older January 1	Lambs Saved 1/	
		Number	As Percent of Ewes One Year and Older
	1,000 Head	1,000 Head	Percent
1930 2/.....	2,170	1,736	80
1940........	1,706	1,365	80
1950........	1,066	895	84
1960........	1,065	927	87
1970........	821	780	95
1979........	460	430	93
1980........	491	476	97
1981........	500	481	96
1982........	505	446	88
1983........	476	440	92
1984........	465	430	92
1985........	420	420	100
1986........	400	400	100

1/ Lambs saved defined as lambs marked, docked or branded. 2/ Record high lamb crop.

Wool Production and Value: Utah, Selected Years.

Year	All Sheep Shorn 1/	Weight per Fleece	Shorn Wool Production	Average Price per Pound 2/	Value 3/
	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1931 4/...	2,692	9.0	24,228	13	3,150
1940......	1,990	9.3	18,507	27	4,997
1950......	1,180	9.4	11,092	58	6,433
1960......	1,203	9.9	11,950	39	4,660
1970......	985	9.8	9,637	32	3,084
1979......	563	10.2	5,717	88	5,031
1980......	575	9.9	5,670	90	5,103
1981......	617	10.0	6,172	92	5,678
1982......	608	10.0	6,090	68	4,141
1983......	556	10.3	5,739	57	3,271
1984......	548	9.9	5,427	84	4,559
1985......	498	9.6	4,793	61	2,924
1986......	468	10.0	4,668	66	3,081

1/ Includes sheep shorn at commercial feeding yards. 2/ Monthly price weighted by monthly sales of wool. 3/ Production multiplied by annual average price. 4/ Record high sheep shorn.

Sheep and Lambs: Inventory Numbers, Lamb Crop and Disposition, Utah, Selected Years.

Year	Inventory Beginning of Year	Lambs Saved	Inshipments	Marketing 1/		Farm Slaughter 2/	Deaths		Inventory End of Year
				Sheep	Lambs		Sheep	Lambs	
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1931 3/.	2,935	1,560	69	156	1,049	40	300	174	2,845
1940....	2,248	1,365	40	127	894	38	236	110	2,248
1950....	1,329	895	92	39	668	22	125	70	1,392
1960....	1,336	927	54	59	759	21	125	76	1,277
1970....	1,053	780	100	74	646	25	94	85	1,009
1980....	625	476	30	20	346	9	56	50	650
1981....	650	481	30	44	360	7	54	60	636
1982....	636	446	30	69	340	8	50	55	590
1983....	590	440	17	46	346	8	36	43	568
1984....	568	430	12	71.5	335.5	6	36	46	515
1985....	515	420	10	45.5	324.5	6	30	55	484
1986....	484	400	10	49	306	5	25	45	464

1/ Includes custom slaughter for use on farms where produced, State outshipments, but excludes interfarm sales within the State. 2/ Excludes custom slaughter for farmers at commercial establishments. 3/ Record high beginning of year inventory.

Sheep and Lambs: Production and Income, Utah, Selected Years.

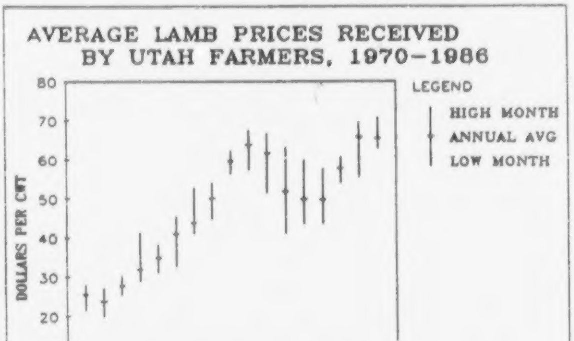
Year	Production 1/	Marketing 2/	Price per 100 pounds		Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
			Sheep	Lambs				
	1,000 Pounds	1,000 Pounds	Dollars	Dollars	1,000 $	1,000 $	1,000 $	1,000 $
1931 4/....	82,830	90,122	3.55	5.10	--	4,372	126	4,498
1940.......	75,523	76,550	3.35	7.50	--	5,201	147	5,348
1950.......	56,611	56,624	10.60	24.90	--	13,535	278	13,813
1960.......	62,307	71,459	5.30	17.00	10,352	11,367	191	11,558
1970.......	60,909	73,550	7.10	25.40	15,009	16,992	608	17,600
1980.......	35,234	33,530	16.50	61.60	19,751	19,527	542	20,069
1981.......	38,990	41,555	17.30	51.80	17,963	19,628	370	19,998
1982.......	35,386	42,366	16.70	49.90	16,240	18,277	535	18,812
1983.......	39,751	43,260	14.50	49.80	17,959	19,108	312	19,420
1984.......	38,330	45,786	14.10	57.70	20,165	21,772	345	22,117
1985.......	37,956	41,949	18.50	65.70	23,120	24,551	388	24,939
1986.......	37,047	40,624	21.30	65.30	22,747	23,400	361	23,761

1/ Adjustments made for changes in inventory and for inshipments. 2/ Excludes custom slaughter for use on farms where produced and interfarm sales within the State. 3/ Receipt from marketings and sale of farm slaughter. 4/ Record high January 1 sheep inventory.

Sheep and Lamb Slaughter: Number and Liveweight, Utah, Annual, Selected Years, and Monthly 1985-86.

Year/Month	Number 1/		Average Liveweight per Head		Total Liveweight	
	1,000 Head		Pounds		1,000 Pounds	
1944 2/.....	106.2		--		--	
1950........	155.0		101		15,682	
1960........	307.4		102		31,476	
1970........	847.0		106		89,400	
1979........	22.9		113		2,593	
1980........	24.3		116		2,811	
1981........	23.4		112		2,626	
1982........	23.5		109		2,564	
1983........	31.1		110		3,420	
1984........	31.0		113		3,523	
1985........	32.2		110		3,553	
1986........	40.1		109		4,368	
	1985	1986	1985	1986	1985	1986
Jan.	2.1	4.3	123	108	261	469
Feb.	1.9	4.4	111	107	215	473
Mar.	2.0	4.4	107	108	215	473
Apr.	2.5	3.6	107	104	272	373
May	2.1	2.6	107	107	222	281
Jun.	1.8	3.1	109	109	193	332
Jul.	2.1	2.7	109	110	225	302
Aug.	2.0	2.5	110	112	216	280
Sep.	2.2	2.8	111	112	240	315
Oct.	4.4	3.3	109	110	479	363
Nov.	4.7	3.0	111	111	520	334
Dec.	4.4	3.3	112	113	496	373

1/ Includes slaughter under Federal inspection and other commercial slaughter, excludes farm slaughter. 2/ First year on record.


AVERAGE LAMB PRICES RECEIVED BY UTAH FARMERS, 1970-1986

HOGS AND PIGS

Hog and pig inventories totaled 25,000 on December 1, 1986, up 9 percent from December 1, 1985. The total pig crop of 32,000 pigs from 4,200 sows was a 14 percent increase from 1985. The increase came from a 5 percent increase in the number of sows farrowing and also an increase in the number of pigs saved per litter.

Cash receipts of $2.99 million were 5 percent above 1985. Marketings were 8 percent below a year earlier, at 6.37 million pounds, but the average price per hundredweight was $6.00 above the $41.00 average of 1985.

Hogs and Pigs: Number of Hog Farms, and Inventory and Value of Hogs on Farms, Utah, Selected Years.

Year	Farms	Hogs and Pigs on Farms December 1		
	Number with Hogs	Number	Value	
			Per Head	Total
		1,000 Head	Dollars	1,000 Dollars
1940	--	1/125	6.60	825
1944	--	1/2/196	12.00	2,352
1950	--	1/88	22.20	1,954
1960	--	1/68	16.20	1,102
1970	2,000	45	23.00	1,035
1979	1,900	55	46.50	2,558
1980	2,200	58	63.00	3,654
1981	2,000	40	66.50	2,660
1982	2,000	32	73.00	2,336
1983	1,600	33	80.00	2,640
1984	1,400	28	75.50	2,114
1985	1,200	23	79.00	1,817
1986	1,000	25	83.00	2,075

1/ January 1 inventory. 2/ Record high January 1 Hog and Pig Inventory.

Hogs: Inventory by Classes and Weight Groups, Utah, Dec. 1, Selected Years.

Year	Total	Breeding	Market	Market Hogs and Pigs by Weight Group			
				Under 60 Lbs.	60-119 Lbs.	120-179 Lbs.	180 Lbs. and Over
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1969......	43	7	36	16	8	6	6
1970......	45	8	37	16	9	6	6
1979......	55	8	47	24	11	7	5
1980......	58	7	51	15	16	14	6
1981......	40	5	35	12	9	10	4
1982......	32	3	29	10	8	8	3
1983......	33	5	28	13	6	5	4
1984......	28	4	24	10	5	6	3
1985......	23	3	20	8	5	4	3
1986......	25	3	22	9	6	4	3

Pig Crop: Sows Farrowing and Pigs Saved, Utah, Selected Years.

Year	Spring Pig Crop 1/			Fall Pig Crop 2/			Total Pig Crop Spring and Fall	
	Sows Farrowing	Pigs per Litter	Pigs Saved	Sows Farrowing	Pigs per Litter	Pigs Saved	Sows Farrowing	Pigs Saved
	1,000 Head	Head	1,000 Head	1,000 Head	Head	1,000 Head	1,000 Head	1,000 Head
1940......	16.0	6.0	96	10.0	6.8	68	26.0	164
1943 3/...	28.0	6.4	179	23.0	6.6	152	51.0	331
1950......	10.0	6.4	64	7.0	6.9	48	17.0	112
1960......	5.8	6.7	39	6.2	7.3	45	12.0	84
1970......	4.8	7.1	34	4.6	7.2	33	9.4	67
1979......	4.0	6.7	27	6.5	6.8	44	10.5	71
1980......	5.0	7.0	35	8.0	6.0	48	13.0	83
1981......	4.0	7.6	30	4.5	7.1	32	8.5	62
1982......	3.0	7.7	23	3.0	7.0	21	6.0	44
1983......	2.8	7.4	21	2.7	7.7	21	5.5	42
1984......	2.3	7.0	16	2.2	7.4	16	4.5	32
1985......	2.3	6.4	15	1.7	7.5	13	4.0	28
1986......	2.3	7.9	18	1.9	7.6	14	4.2	32

1/ Spring, December through May. 2/ Fall, June through November. 3/ Record high annual pig crop.

Hogs and Pigs: Inventory, Supply, and Disposition, Utah, Selected Years.

Year	Inventory Beginning of Year	Annual Pig Crop	Inshipments	Marketings 1/	Farm Slaughter 2/	Deaths	Inventory End of Year
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head
1940........	125	164	3	139	32	16	105
1944 3/.....	196	170	5	213	30	20	108
1950........	88	112	1	83	19	15	84
1960........	68	84	1	64	11	10	68
1970........	43	67	2	58	3	6	45
1980........	55	83	2	73	2	7	58
1981........	58	62	2	76.5	1	4.5	40
1982........	40	44	2	50	1	3	32
1983........	32	42	2	38	1	4	33
1984........	33	32	2	35.1	1.4	2.5	28
1985........	28	28	1	30.5	1.2	2.3	23
1986........	23	32	2	28	1.1	2.9	25

1/ Includes custom slaughter for use on farm where produced, State out-shipments, but excludes interfarm sales within the State. 2/ Excludes custom slaughter for farmers at commercial establishments. 3/ Record high beginning of year inventory.

Hogs and Pigs: Production and Income, Utah, Selected Years.

Year	Production 1/	Marketings 2/	Price per 100 Lbs.	Value of Production	Cash Receipts 3/	Value of Home Consumption	Gross Income
	1,000 Pounds	1,000 Pounds	Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars	1,000 Dollars
1940......	31,760	27,800	5.70	--	1,734	268	2,002
1950......	23,272	18,687	18.60	--	3,779	544	4,323
1960......	16,611	13,676	15.70	2,608	2,210	331	2,541
1970......	13,852	12,488	22.40	3,103	2,797	269	3,066
1980......	18,483	16,125	36.70	6,762	5,918	488	6,406
1981......	15,718	17,172	40.60	6,364	6,972	349	7,321
1982......	10,722	11,224	49.20	5,234	5,522	408	5,930
1983......	9,493	8,766	47.20	4,448	4,138	271	4,409
1984......	7,956	7,971	45.50	3,596	3,627	293	3,920
1985......	6,780	6,929	41.00	2,768	2,841	226	3,067
1986......	6,907	6,367	47.00	3,223	2,992	238	3,230

/ Adjustments made for inshipments and changes in inventories. 2/ Excludes interfarm ales and custom slaughter for use on farms where produced. 3/ Includes receipts from arketings and from sales of farm slaughtered meat.

Commercial Hog Slaughter: Number and Liveweight, Utah, Annual, Selected Years, and Monthly 1985-86.

Year/Month	Number 1/		Average Liveweight per Head		Total Liveweight	
	1,000 Head		Pounds		1,000 Pounds	
1944 2/.....	258.2		--		--	
1950........	246.7		228		56,259	
1960........	306.4		227		69,695	
1970........	117.4		229		26,837	
1979........	122.2		237		28,937	
1980........	154.5		236		36,428	
1981........	173.5		237		41,078	
1982........	177.3		238		42,290	
1983........	194.6		246		47,808	
1984........	214.0		239		51,192	
1985........	217.1		232		50,409	
1986........	221.6		240		53,092	
	1985	1986	1985	1986	1985	1986
Jan.	17.3	19.5	237	240	4,097	4,679
Feb.	14.6	14.9	236	239	3,447	3,559
Mar.	17.4	19.1	236	236	4,088	4,517
Apr.	18.5	20.3	235	241	4,342	4,886
May	19.7	18.7	232	238	4,566	4,444
Jun.	17.3	18.5	219	236	3,791	4,364
Jul.	18.0	18.0	231	235	4,167	4,232
Aug.	19.2	17.5	233	236	4,489	4,138
Sep.	17.9	19.7	232	237	4,163	4,683
Oct.	20.4	20.3	231	242	4,710	4,909
Nov.	17.6	15.7	233	245	4,094	3,841
Dec.	19.1	19.5	233	249	4,455	4,840

1/ Includes slaughter under Federal inspection and other commercial slaughter, excludes farm slaughter. 2/ First year on record.

CHICKENS AND EGGS

Value of eggs produced in Utah totaled $16.0 million in 1986, down 8 percent from the $17.4 million received in 1985. Production of 457 million eggs was 9 percent above last year, but the average seasonal price during 1986 of 42 cents per dozen was down 8 cents from the previous year. The production increase came from fewer layers with an increased production per layer. The average number of layers, at 1.8 million was 3 percent below 1985. Eggs produced per layer, at 257, was 28 eggs above the previous year's average.

Pounds of chickens sold, at 3.4 million pounds in 1986, was 31 percent below 1985. The average price of 10 cents per pound was 2 cents above last year. Value of sales, at $344,000, was 14 percent below 1985.

Layers and Eggs 1/: Number, Production and Value of Production, Utah, Selected Years.

Year	Average Number of Layers	Eggs per Layer	Total Egg Production	Price per Dozen	Value of Production
	1,000	Number	Millions	Cents	1,000 Dollars
1940.........	1,739	155	269	18.7	4,176
1944 2/......	2,658	165	439	35.5	12,957
1950.........	2,310	184	425	39.5	13,989
1960.........	1,377	223	307	34.9	8,928
1970.........	1,256	216	271	36.0	8,130
1979.........	1,660	232	385	45.0	14,438
1980.........	1,762	236	416	49.0	16,987
1982.........	1,906	230	439	50.0	18,291
1983.........	1,822	250	456	53.0	20,140
1984.........	1,845	236	436	53.0	19,257
1985.........	1,827	229	418	50.0	17,417
1986.........	1,781	257	457	42.0	15,995

1/ Estimates cover the 12 month period, December 1 previous year through November 30.
2/ Record high layers.

Chicken Inventory 1/: Number and Value, Utah, Selected Years.

Date	Hens & Pullets of Laying Age	Pullets 3 Mo. & Over--Not Laying	Pullets Under 3 Months	Other Chickens	Total Chickens		
					Number	Value	
						Average	Total
	1,000 Head	1,000 Head	1,000 Head	1,000 Head	1,000 Head	Dollars	1,000 Dollars
Jan. 1, 1940...	3/2,191	4/	5/	175	2,366	.63	1,491
Jan. 1, 1944 2/	3/3,181	4/	5/	313	3,494	1.10	3,843
Jan. 1, 1950...	3/2,871	4/	5/	150	3,021	1.22	3,686
Jan. 1, 1960...	3/1,691	4/	5/	69	1,760	.94	1,654
Jan. 1, 1970...	1,320	190	219	10	1,739	1.20	2,087
Dec. 1, 1970...	1,182	218	327	10	1,737	1.10	1,911
Dec. 1, 1979...	1,682	208	106	4	2,000	2.20	4,400
Dec. 1, 1980...	1,871	91	134	4	2,100	1.65	3,465
Dec. 1, 1981...	1,892	144	85	4	2,125	1.70	3,613
Dec. 1, 1982...	1,773	300	250	3	2,326	2.05	4,768
Dec. 1, 1983...	1,800	290	248	7	2,345	2.00	4,690
Dec. 1, 1984...	1,868	120	321	5	2,314	2.35	5,438
Dec. 1, 1985 6/	1,748	377	297	3	2,425	1.75	4,244
Dec. 1, 1986...	1,858	203	345	3	2,409	1.80	4,336

1/ Excludes commercial broilers. 2/ Record high January 1 total chicken inventory. 3/ Includes pullets not of laying age. 4/ Included with hens and pullets. 5/ Included in hens and pullets and in other chickens. 6/ Record high December 1 total chicken inventory.

Chickens 1/: Lost, Sold, and Value of Sales, Utah, Selected Years.

Year 2/	Number Lost 2/	Number Sold	Pounds Sold	Price per Pound	Value of Sales
	1,000 Head	1,000 Head	1,000	Cents	1,000 Dollars
1940.........	426	2,044	6,132	11.0	675
1950.........	634	3,562	13,892	20.7	2,876
1960.........	334	1,018	4,174	8.2	342
1970.........	200	638	2,552	4.0	102
1979.........	210	850	3,230	8.0	258
1980.........	260	804	3,055	8.0	244
1981.........	300	960	3,648	6.0	219
1982.........	219	970	3,589	5.4	194
1983.........	154	955	3,534	13.0	459
1984.........	185	1,090	4,360	9.0	392
1985.........	170	1,250	5,000	8.0	400
1986.........	165	860	3,440	10.0	344

1/ Estimates cover the 12 month period, Dec. 1 previous year through Nov. 30, and excludes broilers. 2/ Includes death and other losses during the 12 month period.

TURKEYS

Turkey production in Utah is centered around Moroni, running from Fountain Green in northern Sanpete County to Richfield in Sevier County. In Utah, specialization of turkey production is evident as the average size turkey farm in 1986 was approximately 45,000 birds raised.

Turkey growers received a record high 68 cents per pound for turkeys sold in 1986. This was 6 cents above the previous record of 1985.

There were 3,390,000 birds raised in 1986--up 10 percent from 1985--with an average weight of 22.7 pounds, down 1.6 pounds per bird from 1985. Total pounds produced in 1986 was 77 million pounds, 3 percent above the 1985 total. The value of turkeys produced in Utah during 1986 was a record high $52 million--up 13 percent from the $46 million the previous year.

Turkeys: Production and Gross Income, Utah, Selected Years.

Year	Raised			Average Weight	Produced	Per Pound 1/	Gross Income 2/
	Heavy	Light	Total				
	1,000 Head	1,000 Head	1,000 Head	Pounds	1,000 Pounds	Cents	1,000 Dollars
1940.....	--	--	854	16.0	13,656	17.4	2,376
1950.....	--	--	1,673	21.5	35,914	27.8	9,984
1960.....	2,706	95	2,801	20.2	56,515	24.3	13,733
1970.....	3,946	0	3,946	21.6	85,234	22.1	18,837
1973 3/..	4,061	0	4,061	22.5	91,373	43.0	39,290
1979.....	2,921	0	2,921	23.5	68,644	47.0	32,263
1980.....	2,409	0	2,409	22.2	53,480	50.0	26,740
1981.....	2,901	0	2,901	22.5	65,273	41.0	26,762
1982.....	2,404	0	2,404	22.5	54,090	48.0	25,963
1983.....	2,328	0	2,328	23.4	54,475	47.0	25,603
1984.....	2,387	0	2,387	22.8	54,424	59.0	32,110
1985.....	3,082	0	3,082	24.3	74,893	62.0	46,433
1986.....	3,390	0	3,390	22.7	76,953	68.0	52,328

1/ Live weight equivalent price. 2/ Includes home consumption, less than 1% of production. 3/ Record high turkeys raised.

HONEY

Honey production and price estimates were reinstated for 1986 after being discontinued in 1982. Production in 1986, at 1,575,000 pounds, was down 7 percent from the 1981 estimate. Colonies of bees dropped to 35,000 colonies--the lowest level since 1918--while honey production per colony reached a respectable 45 pounds. The value per pound was estimated at 62 cents, almost 3 cents above 1981 but 3 cents below the record high price of 65 cents in 1973.

It is a common practice for larger apiaries in Utah to transport their bees to surrounding states and California to collect honey. A few operators in other states also bring their bees to Utah. Production estimates are only for honey produced in Utah.

Honey: Number of Colonies, Production, Average Price and Value, Utah, Selected Years.

Year	Colonies of Bees	Honey			
		Production		Value	
		Per Colony	Total	Per Pound	Total
	1,000 Colonies	Pounds	1,000 Pounds	Cents	1,000 Dollars
1936 1/..	78	60	4,680	--	--
1940.....	53	45	2,385	3.6	86
1950.....	49	51	2,499	11.0	275
1960.....	52	34	1,768	15.6	276
1970.....	50	36	1,800	18.1	326
1978.....	47	30	1,410	57.0	804
1979.....	46	48	2,208	58.5	1,292
1980.....	46	33	1,518	58.1	882
1981.....	46	37	1,702	59.2	1,008
1982 2/..					
1983 2/..					
1984 2/..					
1985 2/..					
1986.....	35	45	1,575	62	977

1/ Record high number of colonies of bees. 2/ Estimates not made 1982-85.

MINK

Utah ranked third nationally in mink pelt production for 1985, and in females bred to produce kits in 1986. All color classes are produced in the State. Standard is most common, accounting for 45 percent of the pelts produced in 1985. Demi-buff, with over 22 percent, was second. Other classes accounted for 3 percent or more, were Ranch Wild, Pastel, Sapphire, Gunmetal, Pearl, and Violet type. Mink production is centered primarily in five north central counties--Utah, Morgan, Summit, Salt Lake, Cache--producing 95 percent of the pelts in 1985.

During 1985, 502 thousand mink pelts were produced in Utah--3 percent more than in 1984. Females bred to produce kits in 1986 totaled 144 thousand. This was 3 percent less than the previous year.

Mink: Pelts Produced 1969-85 and Females Bred 1969-86, Utah and U.S.

Year	UTAH			UNITED STATES		
	Ranches Producing Pelts	Pelts Produced	Females Bred	Ranches Producing Pelts	Pelts Produced	Females Bred
		1,000	1,000		1,000	1,000
1969........	343	439	135	2,794	5,688	1,364
1970........	308	396	134	2,227	4,532	1,416
1971........	261	340	108	1,615	3,380	1,011
1972........	225	285	95	1,380	2,965	858
1973........	218	283	100	1,329	3,037	902
1974........	198	315	103	1,221	3,128	905
1975........	186	308	99	1,081	3,067	870
1976........	168	323	98	1,015	3,026	847
1977........	185	359	113	1,040	3,076	887
1978........	191	411	129	1,095	3,358	925
1979........	190	413	141	1,105	3,394	978
1980........	190	466	149	1,122	3,501	1,037
1981........	N/A	N/A	152	N/A	N/A	1,074
1982........	175	545	N/A	1,116	4,085	N/A
1983........	145	506	167	1,098	4,137	1,132
1984........	159	488	156	1,084	4,220	1,115
1985........	132	502	148	1,042	4,170	1,115
1986........	1/	1/	144	1/	1/	1,073

Value of Mink Pelts, United States, 1980-85.

	1980	1981	1982	1983	1984	1985
Average Marketing Price (dollars)	35.30	32.20	28.90	29.90	30.80	30.30
Value of Mink Pelts (mil. dollars)	123.6	N/A	118.1	123.7	130.0	126.4

N/A=Not Available.
1/ Data available July 14, 1987.

FARM LABOR

Farm labor data on the State level for 1986 are not available, primarily due to budget constraints. The data are, however, published both on National and Regional levels. Utah is part of the Mountain II Region, which also includes Colorado and Nevada.

Farm Labor and Wage Rates, Mountain II Region,
July 1986, October 1986, and April 1987 1/.

	July 6-12, 1986	October 12-18, 1986	April 12-18, 1987
	Workers on Farms (000) 2/		
Total	69	61	59
Self-employed	26	28	29
Unpaid	12	14	12
Hired	31	19	18
	Hours Worked per Worker 2/		
Self Employed	61.2	48.5	46.0
Unpaid Workers	44.8	32.8	33.6
Hired Workers	40.7	46.5	48.1
	Farm Wage Rates - Dollars per Hour 2/		
Hourly	4.54	4.66	4.59
Piece Rate	3/	3/	3/
Other	5.62	7.21	4.34
All	5.01	6.44	4.47
	Wage Rates by Type of Work 2/		
Field Workers	4.47	4.41	4.33
Livestock Workers	5.15	6.17	4.18
Field & Livestock Workers	4.74	5.81	4.26
Supervisory	7.93	8.25	6.02
Other	5.18	6.99	5.55

1/ Mountain II Region includes Colo., Nev., and Utah. 2/ Excludes Agricultural Service Workers. 3/ Insufficient data.

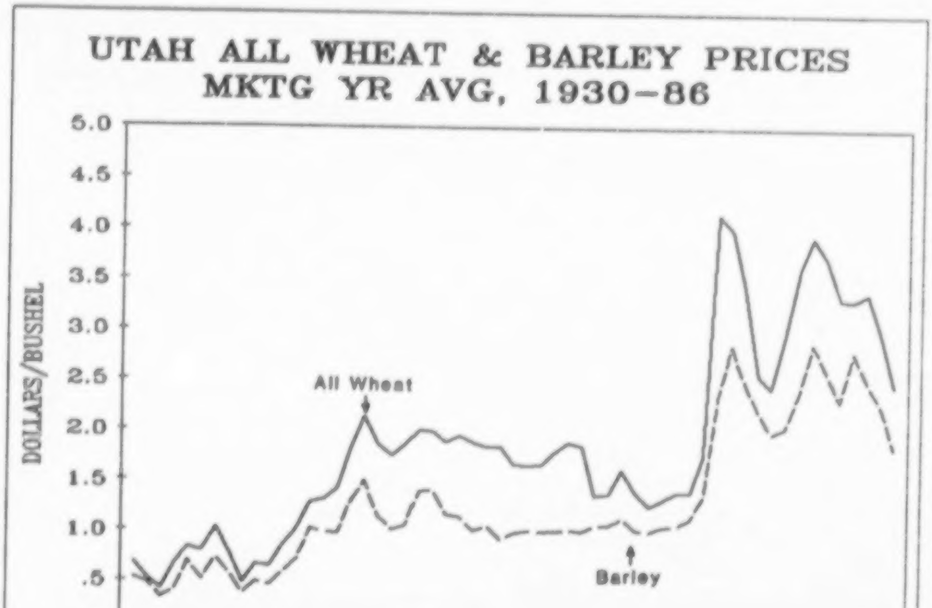
AGRICULTURAL PRICES

The price data included on the following pages have considerable impact on the farm industry. These prices are part of a series which determines deficiency payments and are used to compute an Index of Prices Received by Farmers which provides a single indicator of the pace and direction farm prices are headed at a given time.

Most prices after 1979 are based on actual sales by producers of a commodity during the entire month. However, since sales data are not immediately available for the current month, a preliminary price is obtained for the current month based on sales around the 15th of the month. This price is called a mid-month price and is revised one month later as sales data for the entire month become available. Livestock prices prior to 1980 are mid-month prices, and crop prices prior to 1977 are also mid-month prices.

Prices for hay are based on sales for the first half of the month, and are not revised monthly; while all other commodities published on a monthly basis follow the preliminary mid-month and revised entire month procedure outlined above. Prices for many Utah agricultural products are published only on an annual basis because Utah produces a very small portion of the National total.

Marketing year averages for wheat, corn, oats, dry beans, and potatoes along with calendar year averages for hogs, and chickens and eggs are included with production data in this publication.



Average Prices Received by Farmers, Utah, Selected Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Mktg. Year Average
BARLEY (Dollars per Bushel) 1/													
1950..	1.09	1.07	1.13	1.08	1.08	1.11	1.18	1.12	1.14	1.11	1.11	1.18	1.16
1960..	1.02	1.00	1.00	1.00	1.00	1.02	.98	.98	.98	1.00	1.00	1.01	1.00
1970..	1.10	1.10	1.09	1.04	1.03	1.05	1.01	.98	.99	1.04	1.07	1.12	1.07
1979..	2.06	2.08	2.05	2.10	2.03	2.14	2.19	2.16	2.30	2.36	2.49	2.53	2.39
1980..	2.49	2.51	2.64	2.58	2.50	2.46	2.53	2.56	2.67	2.89	2.93	2.92	2.88
1981..	3.15	3.26	3.18	3.25	3.23	3.08	2.63	2.49	2.65	2.64	2.67	2.51	2.61
1982..	2.65	2.63	2.61	2.54	2.63	2.64	2.52	2.29	2.16	2.27	2.23	2.30	2.31
1983..	2.40	2.05	2.36	2.58	2.78	2.78	2.61	2.60	2.73	2.82	2.77	2.88	2.80
1984..	2.94	2.92	2.86	2.96	2.90	2.93	2.79	2.40	2.37	2.43	2.46	2.50	2.50
1985..	2.52	2.61	2.65	2.64	2.51	2.43	2.39	2.15	2.11	2.20	2.29	2.44	2.28
1986..	2.33	2.26	2.39	2.39	2.46	2.24	1.92	1.79	1.80	1.87	1.86	1.83	1.85
ALFALFA HAY, BALED (Dollars per Ton) 2/													
1950..	21.60	20.00	18.30	18.30	18.80	20.00	22.00	22.50	22.50	22.90	22.90	24.00	NA
1960..	27.00	27.50	26.50	26.50	26.70	26.70	26.40	26.40	27.00	27.00	28.00	28.50	NA
1970..	25.50	26.00	26.00	25.50	25.50	25.50	24.00	24.00	24.50	24.50	25.50	25.50	NA
1979..	50.00	50.50	52.00	52.00	52.50	53.00	52.50	51.50	51.50	53.50	60.00	69.00	NA
1980..	65.00	73.00	71.00	69.00	60.50	71.50	73.50	69.50	70.00	75.00	74.00	76.00	NA
1981..	74.50	73.50	72.00	71.00	68.00	65.00	60.00	67.00	62.00	63.00	64.00	66.00	NA
1982..	63.00	65.00	62.00	61.00	65.00	64.00	68.00	72.00	66.00	69.00	72.00	73.00	NA
1983..	75.00	75.00	72.00	77.00	81.00	77.00	81.00	81.00	82.00	76.00	82.00	84.00	NA
1984..	83.00	82.00	84.00	88.00	86.00	83.00	73.00	71.00	72.00	72.00	74.00	75.00	NA
1985..	75.00	75.00	72.00	72.00	74.00	76.00	75.00	64.00	71.00	67.00	69.00	75.00	NA
1986..	71.00	78.00	70.00	76.00	73.00	71.00	66.00	64.00	62.00	61.00	65.00	63.00	NA
ALL HAY, BALED (Dollars per Ton) 2/													
1950..	21.10	19.20	17.50	17.50	18.30	19.00	21.00	21.50	21.50	22.50	22.50	23.50	22.20
1960..	26.20	26.80	25.70	25.70	25.70	26.00	25.50	25.60	26.40	26.50	27.40	27.80	26.40
1970..	25.00	25.50	25.50	25.00	25.00	25.00	23.50	23.40	23.80	23.90	24.90	24.90	25.00
1979..	49.00	49.50	51.00	51.00	51.50	52.00	51.00	50.50	51.00	52.50	64.00	67.00	55.00
1980..	63.50	62.00	63.00	65.00	60.00	69.50	71.50	67.50	67.00	73.00	72.00	72.00	70.00
1981..	72.00	72.00	67.00	67.00	65.00	62.00	59.00	62.00	57.00	61.00	61.00	60.00	59.50
1982..	57.00	57.00	55.00	56.00	60.00	61.00	64.00	67.00	62.00	65.00	68.00	69.00	66.00
1983..	71.00	72.00	69.00	71.00	77.00	71.00	79.00	78.00	76.00	74.00	78.00	79.00	77.00
1984..	78.00	78.00	78.00	82.00	82.00	80.00	72.00	68.00	69.00	70.00	72.00	65.00	70.50
1985..	68.00	68.00	67.00	65.00	68.00	68.00	70.00	60.00	67.00	63.00	64.00	71.00	67.00
1986..	67.00	72.00	67.00	70.00	66.00	67.00	63.00	61.00	59.00	59.00	61.00	60.00	62.50

1/ Average price relates to mid-month average through 1976. Starting in 1977, it represents an average for the entire month. 2/ Mid-month average price.
NA=Not Available.

Average Prices Received by Farmers, Utah, Selected Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Mktg. Year Average
COWS (Dollars per Cwt.) 1/													
1950..	Not Available												
1960..	14.00	14.70	16.00	15.70	16.00	14.60	13.10	13.30	13.50	13.10	12.90	13.70	14.10
1970..	20.00	21.50	22.50	21.80	21.30	20.90	20.70	20.10	19.90	18.40	17.70	18.10	20.20
1979..	46.20	49.70	52.90	53.90	52.10	46.60	45.50	44.40	46.80	44.90	44.10	45.00	47.70
1980..	44.10	46.10	44.90	43.60	40.00	41.60	42.10	43.80	44.80	45.30	42.20	40.90	43.30
1981..	41.20	43.20	42.50	42.70	40.40	40.90	41.20	41.90	40.60	37.00	34.70	34.30	39.40
1982..	35.10	36.50	37.90	38.90	39.90	38.90	39.70	39.50	39.40	37.20	33.10	31.70	36.90
1983..	34.40	39.60	41.20	40.70	40.70	40.30	38.60	38.50	38.60	34.50	32.90	33.60	38.00
1984..	34.80	37.20	39.90	39.50	38.60	38.40	38.10	37.80	35.90	36.20	32.80	34.70	36.70
1985..	36.70	38.00	37.90	38.30	36.60	34.70	33.50	34.40	32.50	31.80	30.60	31.20	34.30
1986..	32.70	34.30	35.60	31.20	33.60	34.60	33.90	34.80	35.10	34.80	32.90	34.00	34.00
STEERS & HEIFERS (Dollars per Cwt.) 1/													
1950	Not Available												
1960..	20.50	21.10	22.30	22.40	22.70	21.30	20.60	19.70	19.70	18.80	18.80	20.30	20.60
1970..	27.50	28.70	31.50	28.80	29.00	29.00	28.50	26.80	26.90	26.70	26.90	25.80	27.90
1979..	64.30	68.20	76.40	79.40	75.90	68.50	66.80	61.10	70.30	68.00	69.20	68.60	69.30
1980..	70.10	70.60	68.10	62.60	61.70	63.00	65.20	65.30	64.70	64.90	63.70	62.70	65.20
1981..	63.80	62.10	60.00	61.20	59.50	63.30	59.50	59.20	59.40	56.60	56.30	53.50	59.40
1982..	53.70	57.00	59.70	60.00	60.30	59.30	56.10	59.30	56.40	53.70	54.50	52.20	57.10
1983..	55.50	60.00	61.60	60.80	58.70	57.80	53.90	52.30	49.70	49.90	51.90	55.50	57.10
1984..	63.50	63.10	63.60	63.60	61.80	62.10	62.10	60.40	58.50	56.80	58.40	61.10	60.80
1985..	61.30	61.70	57.50	56.70	56.30	55.50	50.80	49.80	50.20	56.20	59.60	57.90	56.00
1986..	56.00	53.90	54.10	52.10	52.50	51.00	55.50	57.20	56.50	56.00	58.00	58.40	55.20
BEEF CATTLE (Dollars per Cwt.) 1/													
1950..	20.00	20.00	20.50	21.50	23.00	23.00	23.50	24.00	24.00	24.30	25.30	62.20	23.20
1960..	18.10	18.90	20.40	20.30	20.50	18.70	17.50	17.20	17.50	17.20	16.90	18.00	18.40
1970..	25.20	26.30	28.70	26.70	26.70	26.70	25.90	24.60	24.70	24.40	24.60	23.70	25.60
1979..	60.10	63.80	71.00	73.30	71.10	65.20	62.50	57.90	65.60	63.80	63.70	62.90	64.80
1980..	64.10	65.00	63.20	58.60	57.10	59.40	60.10	60.80	60.50	60.80	57.50	55.90	60.30
1981..	55.70	55.40	54.20	57.10	52.90	54.90	51.90	52.40	53.10	48.60	49.90	43.50	52.30
1982..	47.40	50.10	54.30	54.50	52.00	49.00	47.20	50.40	51.00	45.30	44.10	42.30	49.10
1983..	45.70	51.60	53.40	53.30	51.00	49.20	45.50	44.60	44.20	44.60	42.00	42.70	48.40
1984..	60.30	60.40	60.60	60.90	59.60	60.40	60.30	59.20	56.80	55.80	55.60	56.60	58.60
1985..	58.40	58.90	55.60	55.30	54.20	53.30	49.70	48.60	48.70	54.40	55.50	53.80	53.90
1986..	52.70	51.90	52.50	51.00	49.70	49.60	54.40	55.90	54.90	54.00	55.00	54.60	53.30

1/ Mid-month average price through 1979. Prices after 1979 are revised full month prices.

Average Prices Received by Farmers, Utah, Selected Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Mktg. Year Average
CALVES (Dollars per Cwt.) 1/													
1950..	23.00	24.00	24.80	25.50	26.50	26.00	27.00	27.00	27.50	28.00	29.00	29.50	26.41
1960..	24.00	25.00	25.20	25.80	26.00	23.50	22.00	20.50	21.30	22.50	22.30	23.50	23.40
1970..	35.00	37.20	38.00	34.50	34.40	34.90	33.00	31.00	31.70	33.00	32.60	33.30	34.20
1979..	80.10	85.10	96.40	95.50	90.90	91.20	81.70	86.00	85.30	85.50	89.60	83.90	88.70
1980..	82.00	85.50	83.30	72.60	72.20	77.20	77.70	75.10	72.70	75.70	71.50	73.20	75.50
1981..	71.30	70.50	67.70	69.80	65.20	67.00	60.10	62.00	61.70	59.80	58.30	58.70	63.30
1982..	55.70	59.30	61.10	61.00	63.90	62.90	59.00	62.70	64.00	62.30	56.30	56.50	59.70
1983..	60.20	63.80	66.40	67.30	62.40	65.00	60.30	60.00	55.50	56.40	59.80	60.50	62.40
1984..	58.50	63.30	63.20	62.40	59.00	58.90	55.70	58.50	59.30	60.50	60.80	60.40	60.70
1985..	63.50	68.00	67.10	64.20	63.90	62.50	58.20	57.30	56.70	61.00	61.20	59.50	61.90
1986..	62.00	65.20	64.00	56.20	54.10	54.80	55.60	59.40	61.00	62.70	63.00	63.90	62.10
MILK COWS (Dollars per Head) 2/3/													
1950..	200	200	200	200	205	210	210	210	215	225	225	230	N/A
1960..	220	220	220	225	225	235	225	225	215	205	205	215	220
1970..	320	320	330	330	330	330	325	315	310	320	340	320	324
1979..	850	890	1010	1090	1090	1050	1080	1060	1050	1090	1090	1100	1040
1980..	1160	1190	1220	1220	1200	1200	1190	1210	1210	1220	1220	1220	1210
1981..	1250	1250	1240	1210	1200	1190	1190	1180	1180	1180	1160	1160	1200
1982..	1160			1130			1120			1100			1130
1983..	1050			1030			1030			950			1020
1984..	820			840			870			850			845
1985..	840			870			830			800			835
1986..	780			770			780			800			785

1/ Mid-month average price through 1979. Prices after 1979 are revised full month prices. 2/ Mid-month average price. 3/ Published only by quarters starting 1982.

Average Prices Received by Farmers, Utah, Selected Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Mktg. Year Average
MILK, ALL (Dollars per Cwt.) 1/													
1950..	4.00	3.90	3.65	3.50	3.30	3.30	3.35	3.60	3.75	4.00	4.15	4.15	3.69
1960..	4.25	4.15	4.05	3.95	3.85	3.80	3.80	3.95	4.20	4.25	4.35	4.40	4.07
1970..	5.70	5.55	5.40	5.45	5.35	5.20	5.20	5.30	5.55	5.65	5.80	5.80	5.48
1979..	11.60	11.80	11.50	11.40	11.30	11.30	11.30	11.60	11.90	12.20	12.60	12.40	11.70
1980..	12.40	12.30	12.30	12.20	12.10	12.20	12.00	12.10	12.70	13.00	13.30	13.50	12.50
1981..	13.40	13.40	13.20	13.00	12.90	12.70	12.70	12.80	13.00	13.40	13.40	13.60	13.10
1982..	13.50	13.30	13.00	12.80	12.60	12.40	12.20	12.50	12.70	13.20	13.40	13.50	12.90
1983..	13.20	13.00	12.90	12.90	12.70	12.40	12.30	12.40	12.80	13.20	13.30	13.40	12.90
1984..	13.40	13.10	12.80	12.60	12.40	12.20	12.20	12.50	12.90	13.50	13.80	13.70	12.90
1985..	13.50	13.20	13.00	12.50	12.00	11.30	11.10	11.20	11.60	11.90	12.10	12.30	12.00
1986..	12.10	11.80	11.40	11.60	11.30	11.20	11.10	11.40	12.00	12.60	12.80	12.70	11.80
MILK, ELIGIBLE FOR FLUID MARKET (Dollars per Cwt.) 1/ 2/													
1950..	4.90	4.85	4.55	4.25	4.15	4.15	4.20	4.60	4.80	5.05	5.15	5.20	4.64
1960..	4.75	4.70	4.60	4.50	4.35	4.30	4.30	4.45	4.70	4.75	4.85	4.85	4.59
1970..	6.10	5.90	5.75	5.90	5.75	5.60	5.60	5.70	5.95	6.05	6.25	6.25	5.90
1979..	11.80	12.00	11.60	11.50	11.30	11.30	11.30	11.70	12.00	12.40	12.80	12.70	11.80
1980..	12.70	12.50	12.50	12.40	12.30	12.40	12.20	12.40	12.90	13.30	13.60	13.90	12.70
1981..	13.80	13.80	13.60	13.40	13.20	13.00	13.00	13.10	13.20	13.60	13.60	13.80	13.40
1982..	13.70	13.60	13.30	13.20	12.90	12.80	12.70	12.80	13.00	13.40	13.60	13.70	13.20
1983..	13.50	13.30	13.20	13.30	13.00	12.80	12.60	12.80	13.30	13.50	13.60	13.60	13.20
1984..	13.60	13.30	13.00	13.00	12.80	12.50	12.60	12.80	13.20	13.70	14.10	14.00	13.20
1985..	13.90	13.60	13.30	12.80	12.20	11.50	11.30	11.40	11.70	12.00	12.20	12.40	12.20
1986..	12.20	11.90	11.60	11.80	11.50	11.30	11.30	11.60	12.20	12.80	13.00	12.90	12.00
MILK, MANUFACTURING GRADE (Dollars per Cwt.) 1/													
1950..	3.25	3.15	3.00	2.90	2.75	2.75	2.75	2.85	2.90	3.05	3.15	3.25	2.95
1960..	3.25	3.15	3.05	3.00	2.95	2.90	2.85	2.95	3.10	3.20	3.25	3.35	3.07
1970..	4.70	4.65	4.60	4.50	4.45	4.40	4.35	4.40	4.55	4.65	4.75	4.80	4.56
1979..	11.00	11.20	11.20	11.30	11.20	11.20	11.20	11.40	11.50	11.70	12.00	11.80	11.40
1980..	11.80	11.70	11.70	11.70	11.60	11.70	11.40	11.50	12.20	12.40	12.50	12.60	11.90
1981..	12.50	12.50	12.30	12.30	12.20	12.20	12.10	12.30	12.70	13.00	13.00	13.10	12.50
1982..	13.00	12.80	12.50	12.10	12.00	11.70	11.20	11.80	12.20	12.80	12.90	13.00	12.30
1983..	12.60	12.30	12.20	12.10	12.20	11.70	11.70	11.80	12.00	12.60	12.90	12.90	12.20
1984..	13.10	12.70	12.30	12.00	11.80	11.60	11.60	11.90	12.40	13.00	13.10	13.10	12.30
1985..	12.50	12.20	12.10	11.60	11.30	10.70	10.70	10.80	11.30	11.50	11.70	11.80	11.50
1986..	11.60	11.30	10.90	10.80	10.60	10.70	10.50	10.70	11.00	11.50	11.80	12.00	11.10

1/ Average for the month. 2/ Includes surplus diverted to manufacturing.

Average Prices Received by Farmers, Utah, Selected Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Mktg. Year Average
SHEEP (Dollars per Cwt.) 1/													
1950..	8.60	8.60	9.50	9.50	9.00	8.50	9.00	9.00	11.00	11.50	12.00	12.50	9.21
1960..	6.50	7.00	7.00	7.00	6.50	6.50	5.50	5.00	4.50	4.80	4.50	5.00	5.30
1970..	7.60	7.60	7.70	8.20	7.50	8.30	8.50	8.00	7.50	6.50	6.00	6.00	7.10
1979..	19.60	19.40	20.90	23.50	21.60	18.90	16.80	17.80	19.50	16.90	15.70	17.50	19.20
1980..	17.80	16.40	21.90	16.90	14.60	15.50	16.60	16.30	15.90	14.90	15.10	14.40	16.50
1981..	20.00	21.20	22.60	18.40	15.80	19.20	17.00	16.20	15.20	16.90	18.40	14.20	17.30
1982..	18.50	23.20	23.80	21.30	16.80	22.30	17.80	16.40	15.00	14.60	14.30	14.60	16.70
1983..	17.30	22.50	20.00	18.00	16.40	11.70	12.90	14.00	14.50	12.00	11.40	14.00	14.50
1984..	14.60	17.20	14.80	14.80	13.70	13.20	13.40	14.30	14.60	11.50	14.20	20.50	14.10
1985..	21.00	19.30	19.90	25.10	17.20	16.00	16.70	19.10	22.40	16.30	16.60	21.90	18.50
1986..	23.60	28.30	27.00	20.50	16.50	17.00	19.90	21.50	24.10	17.40	21.10	26.10	21.30
LAMBS (Dollars per Cwt.) 1/													
1950..	21.30	22.00	22.40	23.00	23.30	24.00	24.00	24.00	25.50	25.50	26.70	27.00	24.06
1960..	17.80	18.30	20.00	20.00	20.00	19.50	17.80	16.70	16.10	15.20	15.20	16.20	17.00
1970..	28.00	27.50	27.00	26.00	25.50	26.00	26.00	26.20	25.80	25.00	23.30	21.50	25.40
1979..	64.20	65.40	61.50	63.10	63.50	61.40	59.90	57.30	67.40	65.50	63.70	62.40	63.80
1980..	63.20	59.10	60.70	55.00	51.60	63.10	64.10	63.00	66.20	66.60	56.80	53.80	61.60
1981..	50.00	54.20	57.10	58.00	60.10	63.00	61.10	52.30	48.30	46.90	41.20	46.00	51.80
1982..	48.50	49.10	52.60	55.60	59.70	59.90	50.60	48.70	48.80	46.40	43.60	47.00	49.90
1983..	49.80	56.00	57.00	57.60	57.30	51.60	47.90	43.80	43.70	46.90	51.00	53.30	49.80
1984..	54.80	54.00	54.80	54.50	60.60	54.10	56.40	57.50	59.70	59.40	59.20	59.60	57.70
1985..	59.00	61.00	63.30	59.50	57.50	66.00	67.50	66.90	69.30	66.40	58.70	55.60	65.70
1986..	62.90	66.30	63.40	64.00	69.50	69.40	66.20	66.00	65.00	63.80	68.30	70.50	65.30
WOOL (Cents per Pound) 2/													
1950..	51	51	54	54	54	57	59	61	63	66	72	80	58
1960..	44	47	42	44	44	44	39	40	36	35	37	37	39
1970..	40	35	36	36	34	37	36	33	35	32	29	26	32
1979..	71	71	79	87	87	90	86	90	86	88	88	93	88
1980..	--	84	98	90	80	83	87	98	98	93	94	96	90
1981..	84	94	96	94	92	91	92	91	94	94	86	90	92
1982..	72	79	74	80	76	66	77	66	70	58	54	57	68
1983..	3/	46	50	54	55	56	57	58	64	67	63	65	57
1984..	62	60	76	85	90	89	80	87	66	89	80	71	84
1985..	59	60	59	61	62	61	62	57	59	53	61	59	61
1986..	47	62	59	66	66	68	68	66	67	64	67	67	66

1/ Mid-month average price through 1979. Prices after 1979 are revised full month prices. 2/ Average for the month. 3/ Insufficient sales.

COUNTY ESTIMATES

County estimates provide detailed information about Utah agriculture. Where is the wheat grown? How do irrigated and nonirrigated yields compare at the County and State levels? What is an average yield of wheat vs. barley in Cache County?

Decisions for your operation can be fine-tuned with county level data, whether you are a farmer, agricultural supplier, or service agency. A cooperative agreement between the Utah State Department of Agriculture and the Utah Agricultural Statistics Service, USDA, provides funding in support of county estimates.

Box Elder County dominates wheat production in Utah with 36 percent of the total. San Juan County is a distant second with about one-third as much wheat production as Box Elder, while Cache County takes the Number 3 spot. Cache County leads the State in barley production with 1.9 million bushels, while Millard County edges out Box Elder County for the Number 2 spot. You will find more oats in Duchesne County which produced 90,000 bushels, 8 percent more than the nearest competitor Emery County. Box Elder was Number 1 in grain corn production with 645,000 bushels, Utah County was in second place, Utah and Box Elder Counties switched places in production of corn for silage with Utah County in the Number 1 spot producing 198,000 tons. Millard County produces the most alfalfa hay with 220,000 tons--Cache County was second.

Cache County is well established as our leading county in milk cow inventory with 18,600 head on January 1, 1987. Box Elder County continues to be a distant second. However, Box Elder County ranks Number One in Utah for beef cow inventory with 29,000 head, followed rather closely by Rich and Duchesne Counties. Total cattle and calf inventory in Box Elder County is the largest with 75,000 head. Cache and Millard County tie for second with 58,000 head each.

Stock sheep and lamb inventory in Sanpete County totaled 90,000 on January 1, 1987, almost double second ranking Iron County. Summit and Box Elder Counties rank third and fourth, respectively, for stock sheep numbers.

Utah County continues to be our leading mink pelt producing county with 145,600 pelts produced in 1985, but Morgan County is a very close second. Summit County moved up to third ranking for 1985.

Spurred by good turkey prices, Sanpete County with $67.5 million of sales moved from fourth ranking in 1984 to top ranking for cash receipts in 1985. It was followed closely by Utah County with $65.2 million, Cache County $62.4 million, and Box Elder County with $55.1 million. Millard County was fifth with $36.8 million.

All Wheat County Estimates--1986

County	Acres Planted	Acres Harvested For Grain	Yield Per Harvested Acre	Production
			Bushels	Bushels
NORTHERN				
Box Elder........	97,500	95,000	36.7	3,490,000
Cache............	25,500	24,500	39.1	957,000
Davis............	4,500	4,200	66.9	281,000
Morgan...........	1,100	1,100	41.8	46,000
Rich.............	7,400	6,900	28.0	193,000
Salt Lake........	11,700	11,200	37.5	420,000
Tooele...........	3,700	3,600	48.9	176,000
Weber............	4,600	4,100	71.2	292,000
CENTRAL				
Juab.............	16,800	16,200	34.3	555,000
Millard..........	20,100	18,700	45.2	846,000
Sanpete..........	2,800	2,600	64.0	166,500
Sevier...........	900	800	73.1	58,500
Utah.............	22,900	20,400	37.1	757,000
EASTERN				
Carbon...........	700	700	70.0	49,000
Daggett..........	*	*	*	*
Duchesne.........	1,200	1,200	70.0	84,000
Emery............	1,000	800	61.3	49,000
Grand............	*	*	*	*
San Juan.........	40,200	39,200	25.8	1,012,000
Summit...........	500	200	30.0	6,000
Uintah...........	1,400	1,300	56.9	74,000
Wasatch..........	*	*	*	*
Other............	500	500	66.0	33,000
SOUTHERN				
Beaver........	*	*	*	*
Garfield.........	900	900	63.3	57,000
Iron.............	900	900	58.9	53,000
Kane.............	*	*	*	*
Piute............	*	*	*	*
Washington.......	2,500	2,400	21.3	51,000
Wayne............	*	*	*	*
Other............	700	600	73.3	44,000
State............	270,000	258,000	37.8	9,750,000

*Less than 500 planted acres, combined with other counties.

ALL WHEAT BY CROPPING PRACTICE BY COUNTY--1986 CROP

County and District	Irrigated				Not Irrigated			
	Acreage		Harvested Yield	Production	Acreage		Harvested Yield	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHERN								
Box Elder........	17,300	16,600	81.4	1,351,000	80,200	78,400	27.3	2,139,000
Cache............	7,500	7,000	66.4	465,000	18,000	17,500	28.1	492,000
Davis............	3,400	3,100	81.0	251,000	1,100	1,100	27.3	30,000
Morgan...........	400	400	70.0	28,000	700	700	25.7	18,000
Rich.............	600	500	78.0	39,000	6,800	6,400	24.1	154,000
Salt Lake........	1,000	1,000	78.0	78,000	10,700	10,200	33.5	342,000
Tooele...........	1,600	1,500	74.0	111,000	2,100	2,100	31.0	65,000
Weber............	4,200	3,700	75.9	281,000	400	400	27.5	11,000
CENTRAL								
Juab.............	2,500	2,400	79.2	190,000	14,300	13,800	26.4	365,000
Millard..........	6,500	6,000	87.2	523,000	13,600	12,700	25.4	323,000
Sanpete..........	2,400	2,300	69.1	159,000	400	300	25.0	7,500
Sevier...........	700	700	80.0	56,000	200	100	25.0	2,500
Utah.............	3,100	2,600	90.4	235,000	19,800	17,800	29.3	522,000
EASTERN								
Carbon...........	700	700	70.0	49,000	0	0	0	0
Daggett..........	*	*	*	*	*	*	*	*
Duchesne.........	1,200	1,200	70.0	84,000	0	0	0	0
Emery............	1,000	800	61.3	49,000	0	0	0	0
Grand............	*	*	*	*	*	*	*	*
San Juan.........	300	200	60.0	12,000	39,900	39,000	25.6	1,000,000
Summit...........	100	0	0	0	400	200	30.0	6,000
Uintah...........	1,100	1,100	62.7	69,000	300	200	25.0	5,000
Wasatch..........	*	*	*	*	*	*	*	*
Other............	500	500	66.0	33,000	0	0	0	0
SOUTHERN								
Beaver...........	*	*	*	*	*	*	*	*
Garfield.........	900	900	63.3	57,000	0	0	0	0
Iron.............	700	700	70.0	49,000	200	200	20.0	4,000
Kane.............	*	*	*	*	*	*	*	*
Piute............	*	*	*	*	*	*	*	*
Washington.......	100	0	0	0	2,400	2,400	21.3	51,000
Wayne............	*	*	*	*	*	*	*	*
Other............	700	600	73.3	44,000	0	0	0	0
State............	58,500	54,500	77.3	4,213,000	211,500	203,500	27.2	5,537,000

*Less than 500 acres planted for all cropping practices, combined with other counties.

Winter Wheat County Estimates--1986

County	Acres Planted	Acres Harvested For Grain	Yield Per Harvested Acre	Production
			Bushels	Bushels
NORTHERN				
Box Elder........	91,000	89,000	36.5	3,246,000
Cache............	18,500	18,000	38.0	684,000
Davis............	3,000	2,800	65.4	183,000
Morgan...........	200	200	50.0	10,000
Rich.............	5,800	5,500	28.0	154,000
Salt Lake........	10,000	9,500	37.6	357,000
Tooele...........	3,200	3,100	46.8	145,000
Weber............	3,300	2,900	73.1	212,000
CENTRAL				
Juab.............	16,100	15,600	33.3	520,000
Millard..........	17,500	16,200	41.5	672,000
Sanpete..........	800	700	49.3	34,500
Sevier...........	600	500	75.0	37,500
Utah.............	21,000	18,500	34.8	643,000
EASTERN				
Carbon...........	200	200	70.0	14,000
Daggett..........	*	*	*	*
Duchesne.........	300	300	70.0	21,000
Emery............	300	200	65.0	13,000
Grand............	*	*	*	*
San Juan.........	38,500	37,500	26.2	982,000
Summit...........	300	100	30.0	3,000
Uintah...........	200	200	65.0	13,000
Wasatch..........	*	*	*	*
Other............	200	200	70.0	14,000
SOUTHERN				
Beaver..........	*	*	*	*
Garfield.........	300	300	70.0	21,000
Iron.............	700	700	57.1	40,000
Kane.............	*	*	*	*
Piute............	*	*	*	*
Washington.......	2,500	2,400	21.3	51,000
Wayne............	*	*	*	*
Other............	500	400	75.0	30,000
State............	235,000	225,000	36.0	8,100,000

*Less than 500 planted acres of all wheat, combined with other counties.

Spring Wheat County Estimates--1986

County	Acres Planted	Acres Harvested For Grain	Yield Per Harvested Acre	Production
			Bushels	Bushels
NORTHERN				
Box Elder........	6,500	6,000	40.7	244,000
Cache............	7,000	6,500	42.0	273,000
Davis............	1,500	1,400	70.0	98,000
Morgan...........	900	900	40.0	36,000
Rich.............	1,600	1,400	27.9	39,000
Salt Lake........	1,700	1,700	37.1	63,000
Tooele...........	500	500	62.0	31,000
Weber............	1,300	1,200	66.7	80,000
CENTRAL				
Juab.............	700	600	58.3	35,000
Millard..........	2,600	2,500	69.6	174,000
Sanpete..........	2,000	1,900	69.5	132,000
Sevier...........	300	300	70.0	21,000
Utah.............	1,900	1,900	60.0	114,000
EASTERN				
Carbon...........	500	500	70.0	35,000
Daggett..........	*	*	*	*
Duchesne.........	900	900	70.0	63,000
Emery............	700	600	60.0	36,000
Grand............	*	*	*	*
San Juan.........	1,700	1,700	17.6	30,000
Summit...........	200	100	30.0	3,000
Uintah...........	1,200	1,100	55.5	61,000
Wasatch..........	*	*	*	*
Other............	300	300	63.3	19,000
SOUTHERN				
Beaver...........	*	*	*	*
Garfield.........	600	600	60.0	36,000
Iron.............	200	200	65.0	13,000
Kane.............	*	*	*	*
Piute............	*	*	*	*
Washington.......	*	*	*	*
Wayne............	*	*	*	*
Other............	200	200	70.0	14,000
State............	35,000	33,000	50.0	1,650,000

*Less than 500 planted acres of all wheat, combined with other counties.

Barley County Estimates--1986

County	Acres Planted	Acres Harvested For Grain	Yield Per Harvested Acre	Production
			Bushels	Bushels
NORTHERN				
Box Elder........	33,000	29,500	60.3	1,780,000
Cache............	32,000	30,000	63.1	1,894,000
Davis............	2,500	2,300	75.7	174,000
Morgan...........	1,500	1,300	87.7	114,000
Rich.............	2,400	2,300	62.2	143,000
Salt Lake........	2,600	2,400	88.8	213,000
Tooele...........	2,500	2,400	74.6	179,000
Weber............	4,500	3,800	70.8	269,000
CENTRAL				
Juab.............	3,500	3,400	75.0	255,000
Millard..........	19,500	19,000	94.2	1,789,000
Sanpete..........	10,000	9,500	84.0	798,000
Sevier...........	9,000	8,100	96.0	778,000
Utah.............	17,500	17,000	91.6	1,557,000
EASTERN				
Carbon...........	*	*	*	*
Daggett..........	*	*	*	*
Duchesne.........	3,800	3,500	85.1	298,000
Emery............	1,100	800	65.0	52,000
Grand............	*	*	*	*
San Juan.........	1,100	1,100	36.4	40,000
Summit...........	800	800	68.8	55,000
Uintah...........	1,600	1,400	83.6	117,000
Wasatch..........	1,300	1,100	74.5	82,000
Other............	300	300	66.7	20,000
SOUTHERN				
Beaver...........	2,200	1,700	73.5	125,000
Garfield.........	600	600	70.0	42,000
Iron.............	6,000	5,200	79.0	411,000
Kane.............	*	*	*	*
Piute............	*	*	*	*
Washington.......	3,100	2,300	77.8	179,000
Wayne............	2,100	1,800	87.8	158,000
Other............	500	400	75.0	30,000
State............	165,000	152,000	76.0	11,552,000

*Less than 500 planted acres, combined with other counties.

ALL BARLEY BY CROPPING PRACTICE BY COUNTY--1986 CROP

County and District	Irrigated				Not Irrigated			
	Acreage		Harvested Yield	Production	Acreage		Harvested Yield	Production
	Planted	Harvested			Planted	Harvested		
	Acres		Bushels		Acres		Bushels	
NORTHERN								
Box Elder.........	19,000	17,400	87.0	1,514,000	14,000	12,100	22.0	266,000
Cache............	23,500	22,200	73.0	1,621,000	8,500	7,800	35.0	273,000
Davis............	2,300	2,100	79.5	167,000	200	200	35.0	7,000
Morgan...........	1,400	1,200	92.5	111,000	100	100	30.0	3,000
Rich.............	2,200	2,100	65.2	137,000	200	200	30.0	6,000
Salt Lake........	2,300	2,200	94.5	208,000	300	200	25.0	5,000
Tooele...........	2,100	2,000	85.0	170,000	400	400	22.5	9,000
Weber............	4,200	3,600	73.1	263,000	300	200	30.0	6,000
CENTRAL								
Juab.............	3,200	3,100	80.0	248,000	300	300	23.3	7,000
Millard..........	19,400	18,900	94.5	1,786,000	100	100	30.0	3,000
Sanpete..........	10,000	9,500	84.0	798,000	0	0	0	0
Sevier...........	9,000	8,100	96.0	778,000	0	0	0	0
Utah.............	16,400	15,900	96.0	1,526,000	1,100	1,100	28.2	31,000
ASTERN								
Carbon...........	*	*	*	*	*	*	*	*
Daggett..........	*	*	*	*	*	*	*	*
Duchesne.........	3,800	3,500	85.1	298,000	0	0	0	0
Emery............	1,100	800	65.0	52,000	0	0	0	0
Grand............	*	*	*	*	*	*	*	*
San Juan.........	300	300	66.7	20,000	800	800	25.0	20,000
Summit...........	700	700	72.9	51,000	100	100	40.0	4,000
Uintah...........	1,600	1,400	83.6	117,000	0	0	0	0
Wasatch..........	1,300	1,100	74.5	82,000	0	0	0	0
Other............	300	300	66.7	20,000	0	0	0	0
SOUTHERN								
Beaver...........	2,200	1,700	73.5	125,000	0	0	0	0
Garfield.........	600	600	70.0	42,000	0	0	0	0
Iron.............	6,000	5,200	79.0	411,000	0	0	0	0
Kane.............	*	*	*	*	*	*	*	*
Piute............	*	*	*	*	*	*	*	*
Washington.......	2,500	1,900	89.5	170,000	600	400	22.5	9,000
Wayne............	2,100	1,800	87.8	158,000	0	0	0	0
Other............	500	400	75.0	30,000	0	0	0	0
tate.............	138,000	128,000	85.2	10,903,000	27,000	24,000	27.0	649,000

Less than 500 acres planted for all cropping practices combined with other counties.

Corn County Estimates--1986.

County	Acres Planted All Purposes	Corn for Grain			Corn for Silage		
		Acres Harvested	Yield	Production	Acres Harvested	Yield	Production
		Bushels	Bushels		Tons	Tons	
NORTHERN							
Box Elder........	12,500	5,100	126.5	645,000	6,900	21.0	145,000
Cache............	6,500	200	105.0	21,000	6,300	18.4	116,000
Davis............	5,000	1,400	136.4	191,000	3,500	22.7	79,500
Morgan...........	*	*	*	*	*	*	*
Rich.............	*	*	*	*	*	*	*
Salt Lake........	1,300	300	130.0	39,000	900	21.7	19,500
Tooele...........	*	*	*	*	*	*	*
Weber............	5,500	900	128.3	115,500	4,600	18.9	87,000
Other............	700	300	128.3	38,500	400	20.0	8,000
CENTRAL							
Juab.............	800	100	100.0	10,000	700	17.9	12,500
Millard..........	5,800	3,000	130.0	390,000	2,700	20.0	54,000
Sanpete..........	2,000	0	0	0	2,000	17.8	35,500
Sevier...........	5,900	300	130.0	39,000	5,500	19.1	105,000
Utah.............	14,500	4,400	128.0	563,000	9,900	20.0	198,000
EASTERN							
Carbon...........	600	100	110.0	11,000	400	17.5	7,000
Daggett..........	*	*	*	*	*	*	*
Duchesne.........	2,100	500	108.0	54,000	1,600	18.1	29,000
Emery............	1,300	400	105.0	42,000	500	17.0	8,500
Grand............	*	*	*	*	*	*	*
San Juan.........	*	*	*	*	*	*	*
Summit...........	*	*	*	*	*	*	*
Uintah...........	3,300	500	84.0	42,000	2,600	18.1	47,000
Wasatch..........	*	*	*	*	*	*	*
Other............	600	200	95.0	19,000	300	15.0	4,500
SOUTHERN							
Beaver...........	1,600	200	100.0	20,000	1,400	18.9	26,500
Garfield.........	*	*	*	*	*	*	*
Iron.............	1,100	100	100.0	10,000	900	17.8	16,000
Kane.............	*	*	*	*	*	*	*
Piute............	*	*	*	*	*	*	*
Washington.......	*	*	*	*	*	*	*
Wayne............	*	*	*	*	*	*	*
Other............	900	0	0	0	900	17.2	15,500
State............	72,000	18,000	125.0	2,250,000	52,000	19.5	1,014,000

*Less than 500 acres planted for all purposes, combined with other counties.

Oats County Estimates--1986

County	Acres Planted	Acres Harvested For Grain	Yield Per Harvested Acre	Production
			Bushels	Bushels
NORTHERN				
Box Elder	900	700	68.6	48,000
Cache	1,600	900	80.0	72,000
Davis	1/			
Morgan	1/			
Rich	1/			
Salt Lake	500	200	75.0	15,000
Tooele	1/			
Weber	800	600	80.0	48,000
CENTRAL				
Juab	1/			
Millard	1,400	700	68.6	48,000
Sanpete	1,600	700	67.9	47,500
Sevier	1,400	400	80.0	32,000
Utah	1,000	600	87.5	52,500
EASTERN				
Carbon	1/			
Daggett	1/			
Duchesne	2,400	1,200	75.0	90,000
Emery	1,800	1,300	63.8	83,000
Grand	1/			
San Juan	500	400	27.5	11,000
Summit	1/			
Uintah	1,500	1,100	71.8	79,000
Wasatch	1/			
SOUTHERN				
Beaver	1,300	200	65.0	13,000
Garfield	900	300	80.0	24,000
Iron	1,100	200	80.0	16,000
Kane	1/			
Piute	600	200	80.0	16,000
Washington	600	100	70.0	7,000
Wayne	1,100	400	82.5	33,000
Other Counties	3,000	1,800	71.7	129,000
State	24,000	12,000	72.0	864,000

1/ Acreage planted for county less than 500 acres. All estimates included in other counties.

All Hay County Estimates - 1986.

County	Acres Harvested	Yield per Acre	Production
		Tons	Tons
NORTHERN			
Box Elder..............	50,000	3.40	169,900
Cache..................	60,500	3.28	198,400
Davis..................	9,600	3.46	33,200
Morgan.................	7,500	3.15	23,600
Rich...................	47,500	1.85	88,000
Salt Lake..............	9,500	4.06	38,600
Tooele.................	15,000	3.33	50,000
Weber..................	15,400	3.79	58,300
CENTRAL			
Juab...................	15,000	3.05	45,700
Millard................	54,500	4.20	229,000
Sanpete................	41,000	3.48	142,500
Sevier.................	22,000	4.08	89,800
Utah...................	34,500	3.77	130,000
EASTERN			
Carbon.................	5,700	3.18	18,100
Daggett................	5,200	2.23	11,600
Duchesne...............	39,000	3.05	119,000
Emery..................	14,900	3.38	50,400
Grand..................	1,800	3.72	6,700
San Juan...............	6,200	2.10	13,000
Summit.................	21,500	2.70	58,000
Uintah.................	31,100	3.74	116,200
Wasatch................	11,600	3.19	37,000
SOUTHERN			
Beaver.................	26,200	3.82	100,100
Garfield...............	11,500	3.39	39,000
Iron...................	38,500	4.30	165,500
Kane...................	2,600	3.38	8,800
Piute..................	10,700	3.05	32,600
Washington.............	6,900	4.48	30,900
Wayne..................	9,600	3.24	31,100
State..................	625,000	3.42	2,135,000

Alfalfa Hay County Estimates - 1986.

County	Acres Harvested	Yield per Acre	Production
		Tons	Tons
NORTHERN			
Box Elder	42,000	3.70	155,500
Cache	53,000	3.45	183,000
Davis	6,500	4.15	27,000
Morgan	6,000	3.33	20,000
Rich	10,000	3.00	30,000
Salt Lake	7,500	4.40	33,000
Tooele	12,500	3.60	45,000
Weber	12,500	4.20	52,500
CENTRAL			
Juab	11,000	3.41	37,500
Millard	50,000	4.40	220,000
Sanpete	28,000	4.11	115,000
Sevier	19,000	4.39	83,500
Utah	26,000	4.35	113,000
EASTERN			
Carbon	4,700	3.40	16,000
Daggett	1,900	3.16	6,000
Duchesne	25,500	3.55	90,500
Emery	11,500	3.74	43,000
Grand	1,600	4.00	6,400
San Juan	4,700	2.15	10,100
Summit	12,000	3.25	39,000
Uintah	26,000	4.10	106,500
Wasatch	9,100	3.57	32,500
SOUTHERN			
Beaver	22,500	4.09	92,000
Garfield	9,000	3.67	33,000
Iron	36,000	4.40	158,500
Kane	1,900	3.95	7,500
Piute	6,000	3.75	22,500
Washington	5,500	4.91	27,000
Wayne	8,100	3.40	27,500
State	470,000	3.90	1,833,000

Other Hay County Estimates - 1986.

County	Acres Harvested	Yield per Acre	Production
		Tons	Tons
NORTHERN			
Box Elder	8,000	1.80	14,400
Cache	7,500	2.05	15,400
Davis	3,100	2.00	6,200
Morgan	1,500	2.40	3,600
Rich	37,500	1.55	58,000
Salt Lake	2,000	2.80	5,600
Tooele	2,500	2.00	5,000
Weber	2,900	2.00	5,800
CENTRAL			
Juab	4,000	2.05	8,200
Millard	4,500	2.00	9,000
Sanpete	13,000	2.12	27,500
Sevier	3,000	2.10	6,300
Utah	8,500	2.00	17,000
EASTERN			
Carbon	1,000	2.10	2,100
Daggett	3,300	1.70	5,600
Duchesne	13,500	2.11	28,500
Emery	3,400	2.18	7,400
Grand	200	1.50	300
San Juan	1,500	1.93	2,900
Summit	9,500	2.00	19,000
Uintah	5,100	1.90	9,700
Wasatch	2,500	1.80	4,500
SOUTHERN			
Beaver	3,700	2.19	8,100
Garfield	2,500	2.40	6,000
Iron	2,500	2.80	7,000
Kane	700	1.86	1,300
Piute	4,700	2.15	10,100
Washington	1,400	2.79	3,900
Wayne	1,500	2.40	3,600
State	155,000	1.95	302,000

Potato County Estimates - 1985 and 1986.

County	Acres Harvested		Yield per Acre		Production	
	1985	1986	1985	1986	1985	1986
			- - Cwt. - -		- - Cwt. - -	
NORTHERN						
Davis.................	770	740	315	357	242,500	264,000
Other.................	100	130	225	204	22,500	26,500
CENTRAL						
Millard...............	1,310	1,210	295	327	386,500	396,000
Other.................	100	180	230	200	23,000	36,000
SOUTHERN						
Iron & Washington.....	4,100	3,975	235	250	963,500	994,400
Other.................	120	165	167	261	20,000	43,100
State Total...........	6,500	6,400	255	275	1,658,000	1,760,000

CATTLE COUNTY ESTIMATES JANUARY 1, 1986-87.

County	All Cattle		All Cows		Beef Cows		Milk Cows	
	1986	1987	1986	1987	1986	1987	1986	1987
NORTHERN								
Box Elder..........	76,000	75,000	36,500	38,000	27,000	29,000	9,500	9,500
Cache..............	62,000	58,000	26,800	24,700	5,800	6,100	21,000	18,600
Davis..............	23,000	22,000	7,300	7,400	5,500	5,700	1,800	1,700
Morgan.............	7,500	7,500	4,200	4,200	2,700	2,900	1,500	1,300
Rich...............	38,000	37,000	1/23,000	1/25,000	23,000	25,000	2/	2/
Salt Lake..........	14,000	14,000	5,800	5,600	3,800	3,700	2,000	1,900
Tooele.............	23,000	22,000	1/13,500	1/14,900	13,500	14,900	2/	2/
Weber..............	32,000	31,000	12,500	11,800	5,600	5,600	6,900	6,200
CENTRAL								
Juab...............	15,000	14,000	1/7,700	1/8,400	7,700	8,400	2/	2/
Millard............	59,000	58,000	19,600	19,700	16,000	17,000	3,600	2,700
Sanpete............	41,000	41,000	19,800	20,700	14,200	15,300	5,600	5,400
Sevier.............	38,000	37,000	15,500	15,200	12,500	12,500	3,000	2,700
Utah...............	57,000	57,000	25,000	25,600	16,500	17,800	8,500	7,800
EASTERN								
Carbon.............	12,000	12,000	1/6,800	1/7,500	6,800	7,500	2/	2/
Daggett............	3,000	3,000	1/2,000	1/2,200	2,000	2,200	2/	2/
Duchesne...........	47,000	45,000	27,000	28,000	23,500	25,000	3,500	3,000
Emery..............	22,000	21,000	11,700	12,300	11,000	11,600	700	700
Grand..............	8,000	7,500	1/3,600	1/3,600	3,600	3,600	2/	2/
San Juan...........	20,000	21,000	1/11,300	1/12,800	11,300	12,800	2/	2/
Summit.............	18,000	17,000	9,200	9,700	7,100	7,900	2,100	1,800
Uintah.............	41,000	40,000	22,000	24,400	21,000	23,500	1,000	900
Wasatch............	11,000	11,000	5,300	5,100	2,600	2,700	2,700	2,400
SOUTHERN								
Beaver.............	29,000	28,000	13,000	13,400	9,500	10,200	3,500	3,200
Garfield...........	19,000	18,000	1/10,200	1/11,000	10,200	11,000	2/	2/
Iron...............	20,000	20,000	10,100	10,800	8,900	9,600	1,200	1,200
Kane...............	8,500	8,500	1/4,600	1/4,700	4,600	4,700	2/	2/
Piute..............	10,000	9,500	5,800	6,100	6,300	6,700	1,500	1,400
Washington.........	19,000	19,000	9,300	9,500	8,800	9,500	500	2/
Wayne..............	17,000	16,000	9,750	10,300	9,000	9,600	750	700
Counties with less than 500 head......			1,150	1,400			1,150	1,400
State..............	790,000	770,000	380,000	394,000	298,000	320,000	82,000	74,000

1/ Milk cows excluded from county total, but included in total of counties with less than 500 milk cows. 2/ Included in total of countie with less than 500 milk cows.

Stock Sheep and Lambs County Estimates, January 1, 1986-87.

County	1986	1987
NORTHERN		
Box Elder	37,000	33,000
Cache	6,500	6,000
Davis	5,000	6,000
Morgan	17,000	15,000
Rich	17,000	19,000
Salt Lake	14,000	15,000
Tooele	6,500	8,500
Weber	4,000	4,000
CENTRAL		
Juab	2,500	2,500
Millard	9,000	8,000
Sanpete	94,000	90,000
Sevier	20,000	18,500
Utah	52,000	43,000
EASTERN		
Carbon	6,500	7,000
Daggett	500	1,000
Duchesne	14,000	13,000
Emery	4,500	5,000
Grand	1,000	1,000
San Juan	2,500	2,500
Summit	33,000	34,000
Uintah	26,000	22,000
Wasatch	21,000	18,000
SOUTHERN		
Beaver	1,000	1,500
Garfield	3,500	3,000
Iron	46,000	46,000
Kane	1,000	1,000
Piute	3,500	4,500
Washington	1,500	2,000
Wayne	10,000	10,000
State	460,000	440,000

Mink County Estimates - 1984-85 1/.

County	Pelts Produced		Females Bred to Produce Kits	
	1984	1985	1985	1986
	Number		Number	
NORTHERN				
Cache.................	54,700	47,700	14,400	14,500
Morgan................	118,100	138,100	36,500	41,500
Salt Lake.............	90,100	62,800	24,700	18,400
Other.................	15,300	15,200	5,000	3,300
CENTRAL				
Utah..................	138,200	145,600	39,600	34,400
Other.................	5,200	7,200	1,600	1,600
EASTERN				
Summit................	64,300	82,600	25,900	29,900
Other.................	1,600	2,300	600	700
State Total............	487,500	501,500	148,300	144,300

1/ Pelt estimates for 1986 not available until after July 14, 1987.

Utah Average Value of Farmland and Buildings per Acre by County, Selected Years, 1850-1982.

County	1850	1860	1970	1880	1890	1900	1910	1920	1925	1930	1935
						- - - Dollars - - -					
Beaver	--	--	--	--	--	--	29	50	46	46	33
Box Elder	--	--	--	--	--	--	32	47	31	33	23
Cache	--	--	--	--	--	--	45	92	69	61	51
Carbon	--	--	--	--	--	--	17	42	34	49	16
Daggett	--	--	--	--	--	--	--	17	15	19	12
Davis	--	--	--	--	--	--	75	144	96	93	82
Duchesne	--	--	--	--	--	--	--	29	20	30	18
Emery	--	--	--	--	--	--	31	32	28	27	15
Garfield	--	--	--	--	--	--	15	27	21	21	18
Grand	--	--	--	--	--	--	21	30	21	16	13
Iron	--	--	--	--	--	--	14	21	19	16	9
Juab	--	--	--	--	--	--	21	33	24	27	15
Kane	--	--	--	--	--	--	17	16	12	11	6
Millard	--	--	--	--	--	--	22	51	54	34	19
Morgan	--	--	--	--	--	--	15	21	42	22	22
Piute	--	--	--	--	--	--	28	48	42	40	33
Rich	--	--	--	--	--	--	11	15	10	10	7
Salt Lake	--	--	--	--	--	--	93	84	130	201	102
San Juan	--	--	--	--	--	--	13	21	13	11	6
Sanpete	--	--	--	--	--	--	24	42	36	28	21
Sevier	--	--	--	--	--	--	37	104	49	66	47
Summit	--	--	--	--	--	--	9	19	17	24	12
Tooele	--	--	--	--	--	--	31	25	23	24	11
Uintah	--	--	--	--	--	--	31	43	31	40	30
Utah	--	--	--	--	--	--	68	84	62	58	52
Wasatch	--	--	--	--	--	--	21	28	15	28	11
Washington	--	--	--	--	--	--	23	32	34	29	21
Wayne	--	--	--	--	--	--	17	41	36	35	24
Weber	--	--	--	--	--	--	61	68	59	53	34
State Average	7	15	12	21	21	12	35	48	38	39	25

-- Data not available.

Utah Average Value of Farmland and Buildings per Acre by County, Selected Years, 1850-1982 Continued.

County	1940	1945	1950	1954	1959	1964	1969	1974	1978	1982
	- - - - - - - - - - - - - - - - - - Dollars - - - - - - - - - - - - - - - - - -									
Beaver........	24	23	67	63	44	48	86	150	320	430
Box Elder....	26	22	45	37	52	53	68	129	275	464
Cache.........	55	69	107	114	196	188	247	474	972	1,272
Carbon........	13	10	18	19	35	28	31	90	306	526
Daggett......	10	9	18	29	60	32	90	150	238	587
Davis.........	112	89	82	132	129	212	420	689	2,087	1,885
Duchesne.....	12	14	27	46	41	56	86	199	419	624
Emery.........	13	12	32	30	31	37	61	179	375	594
Garfield.....	15	19	49	28	43	47	63	195	384	754
Grand.........	5	10	22	17	49	34	48	124	114	242
Iron..........	8	11	24	23	27	41	76	141	267	419
Juab..........	12	16	32	25	41	36	70	138	300	378
Kane..........	5	10	15	12	19	21	51	95	164	316
Millard......	17	22	49	55	57	53	89	189	374	455
Morgan........	19	15	27	31	46	63	81	143	342	562
Piute.........	28	32	87	86	106	89	149	185	399	659
Rich..........	7	7	14	19	35	29	41	75	137	310
Salt Lake....	119	69	117	132	210	228	355	691	1,635	1,900
San Juan.....	2	9	19	21	27	39	43	125	170	244
Sanpete......	16	19	42	35	41	47	68	176	392	552
Sevier.......	40	38	114	95	97	106	115	267	602	798
Summit.......	31	13	29	41	42	69	92	202	429	604
Tooele.......	12	11	24	29	41	44	59	120	171	229
Uintah.......	14	15	39	49	59	37	44	103	171	219
Utah..........	41	50	109	138	167	170	195	461	1,129	1,406
Wasatch......	13	16	46	27	75	84	106	231	459	704
Washington...	12	36	42	33	45	45	87	183	311	859
Wayne.........	25	32	64	70	63	57	91	161	365	472
Weber.........	32	59	55	126	234	204	317	415	961	1,378
State Average	21	25	48	48	60	71	92	188	400	560

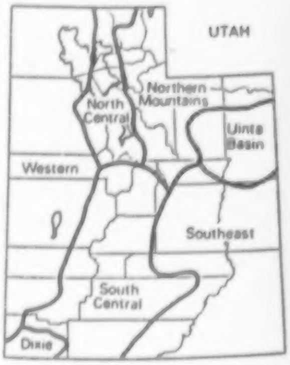
Source: USDA, Economic Research Service, Statistical Bulletin Number 751, "Farm Real Estate Values in the United States by Counties, 1850-1982", Charles H. Barnard and John Jones. The information from which the statistics were computed was collected from farm operators in each agricultural census since 1850.

Cash Receipts by County - 1984 Revised, 1985 Preliminary.

County	Livestock and Livestock Products		Crops		Total	
	1984	1985	1984	1985	1984	1985
	- - - - - - - - - Million Dollars - - - - - - - - -					
NORTHERN						
Box Elder	38.8	33.7	20.9	21.4	59.7	55.1
Cache	57.6	52.6	10.1	9.8	67.7	62.4
Davis	9.3	8.2	13.1	11.7	22.4	19.9
Morgan	9.8	9.5	.7	.7	10.5	10.2
Rich	11.4	8.6	1.6	1.3	13.0	9.9
Salt Lake	21.8	18.8	6.3	5.8	28.1	24.6
Tooele	7.5	5.9	2.8	2.7	10.3	8.6
Weber	21.2	19.1	3.9	4.1	25.1	23.2
CENTRAL						
Juab	4.9	3.7	2.7	2.3	7.6	6.0
Millard	23.3	18.7	19.6	18.1	42.9	36.8
Sanpete	53.5	63.9	3.9	3.6	57.4	67.5
Sevier	18.7	18.4	4.2	3.5	22.9	21.9
Utah	46.5	42.8	18.2	22.4	64.7	65.2
EASTERN						
Carbon	3.8	2.8	.6	.6	4.4	3.4
Daggett	.8	.6	.5	.5	1.3	1.1
Duchesne	19.2	16.4	2.7	2.4	21.9	18.8
Emery	7.4	6.1	1.5	1.6	8.9	7.7
Grand	1.9	1.7	.3	.4	2.2	2.1
San Juan	5.9	4.3	4.0	4.6	9.9	8.9
Summit	12.8	11.8	.9	.9	13.7	12.7
Uintah	14.1	11.6	2.6	2.6	16.7	14.2
Wasatch	8.9	8.1	1.0	.8	9.9	8.9
SOUTHERN						
Beaver	14.1	11.7	2.5	2.2	16.6	13.9
Garfield	5.8	4.6	.9	.8	6.7	5.4
Iron	9.8	8.8	8.2	7.9	18.0	16.7
Kane	2.1	1.8	.3	.2	2.4	2.0
Piute	5.3	4.7	.7	.5	6.0	5.2
Washington	5.9	4.8	3.5	3.9	9.4	8.7
Wayne	7.0	5.7	1.1	.9	8.1	6.5
State	449.1	409.4	139.3	138.2	588.4	547.5

WEATHER

Gaylen L. Ashcroft, Assistant Utah State Climatologist



Precipitation Summary: Although 1986 was a wet year, it was dry at both ends and had a dry month in the middle. January averaged less than one-half of its normal precipitation. The next three months--February, March, and April--were very wet with April averaging about double its normal amount. May was near normal except for Dixie which was almost completely missed by the storms. Precipitation for June was well below normal in the north and slightly below in the south. With the exception of two anomalies, July, August and September were well above normal. October was generally wet except for the North Central and Dixie Divisions. In November, the Southeast Division was very wet but the rest of the State was dry. December was exceptionally dry.

PRECIPITATION, PERCENT-OF-NORMAL, BY CLIMATIC DIVISION, 1986

Division	Month											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Western...........	51	158	132	227	95	22	87	157	196	155	39	15
North Central.....	72	220	166	224	128	32	200	148	337	67	75	10
Northern Mountains	56	242	118	206	134	44	166	144	244	109	72	10
South Central.....	32	108	123	150	84	80	108	127	187	127	56	38
Uinta Basin.......	29	122	112	275	126	85	245	94	199	177	28	34
Southeast.........	17	108	102	198	104	93	195	116	205	133	148	73
Dixie.............	30	106	158	112	18	25	109	140	220	83	67	49

Temperature Summary: The first half of the year was generally mild with January, February and March being well above normal. The second half began with July below , August above, and September well below normal. The rest of the year was rather moderate with October slightly below and November and December slightly above normal.

MEAN TEMPERATURE, DEPARTURES FROM NORMAL, BY CLIMATIC DIVISION, 1986

Division	MONTH											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Western...........	3.2	6.1	8.0	1.3	.0	5.1	-2.7	2.9	-4.6	-1.9	1.7	-.9
North Central.....	.5	6.5	8.2	.4	-.7	5.2	-2.7	2.4	-5.0	-1.3	1.5	.3
Northern Mountains	3.5	5.9	9.6	1.7	-.1	5.1	-1.1	2.9	-3.7	-.9	1.9	2.1
South Central.....	6.8	4.5	6.9	1.1	.8	3.7	-1.5	2.8	-4.5	-2.7	1.3	1.3
Uinta Basin.......	1.4	9.4	9.3	1.1	-.7	4.1	-1.5	1.9	-2.9	-1.3	2.2	4.7
Southeast.........	7.8	6.0	7.0	1.1	.1	3.2	-1.9	2.0	-4.0	-3.4	1.0	3.0
Dixie.............	8.0	3.3	6.7	2.1	2.8	4.4	-1.9	2.4	-5.0	-2.7	.9	1.4

Mean Monthly Temperature (°F), Utah, 1986.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	32.1	40.1	47.0	48.2	56.7	70.3	72.7	75.0	58.3	49.2	38.8	28.2	51.4
Milford WSO......	34.5	37.6	45.4	47.0	55.8	68.9	71.8	74.2	57.2	47.5	38.2	29.0	50.6
Modena...........	36.8	37.7	45.2	47.8	56.8	68.4	69.9	73.3	56.3	48.8	39.6	31.0	51.0
Snowville........	17.2	33.2	43.5	44.9	51.7	67.2	68.7	71.1	54.9	46.7	34.9	26.2	46.7
Wendover.........	28.6	41.9	49.9	51.4	61.3	78.4	M	M	62.8	51.8	39.9	25.4	M
#Division......	30.1	38.8	46.7	48.3	56.5	70.8	71.7	74.9	57.8	48.6	38.9	27.5	50.9
DIXIE													
St. George.......	47.4	50.1	59.0	63.5	73.0	83.7	84.9	86.6	72.1	61.9	51.2	41.7	64.6
Zion Nat'l Park..	49.7	47.1	56.1	58.6	69.5	81.3	81.8	83.6	68.8	60.8	49.7	43.8	62.6
#Division......	46.7	47.2	55.5	58.5	68.2	79.6	80.1	82.1	67.6	58.8	48.7	41.2	61.2
NORTH CENTRAL													
Corinne..........	24.5	38.1	46.4	47.9	56.0	70.9	71.1	73.6	58.9	50.7	37.7	29.1	50.4
Elberta..........	29.6	39.1	47.2	48.3	56.9	71.2	73.9	74.5	58.9	49.5	40.0	28.0	51.4
Farmington USU...	29.9	40.6	48.3	49.7	59.1	74.2	74.7	76.9	60.5	52.3	41.6	29.3	53.1
Logan USU........	23.4	35.5	45.8	45.4	54.5	69.9	70.1	74.2	56.1	48.7	38.1	27.5	49.1
Ogden Pioneer PH.	M	39.8M	49.9	49.3	59.0	74.3	74.2	77.7	60.4	53.0	42.0M	31.3	M
SLC Airport......	29.0	41.4	47.7	48.8	57.2	73.5	74.2	77.9	60.2	51.3	40.9	29.8	52.7
Tooele...........	30.3	39.8	47.3	48.2	57.6	73.0	73.0	75.3	58.1	51.3	40.9	30.0	52.1
Trenton..........	18.6	35.5	44.5	45.9	52.6	65.7	66.2	69.5	54.0	47.1	36.5	26.1	46.9
Utah Lake Lehi...	28.4	37.4	45.1	47.2	54.9	67.9	70.5	72.0	58.0	47.3	38.3	29.4	49.7
#Division.......	27.5	38.4	46.8	47.8	56.4	71.1	71.9	74.6	58.1	50.0	39.5	29.2	50.9
SOUTH CENTRAL													
Cedar City FAA...	37.3	37.3	45.2	47.4	57.0	69.9	71.7	72.9	57.7	47.9	39.1	32.1	51.3
Fillmore.........	34.0	40.6	49.1	50.6	59.0	71.3	73.3	75.6	60.0	51.5	42.1	32.1	53.3
Kanab PH.........	43.9	43.4	49.6	52.5	62.3	72.1	73.5	75.6	61.4	53.5	44.7M	38.6	55.9M
Levan............	30.7	38.1	46.3	47.3	55.5	68.9	71.4	72.7	58.2	49.2	39.4	30.9	50.7
Loa..............	31.6	31.2	40.9	43.2	51.9	62.1	63.5	65.0	52.3	43.0	35.4	25.9	45.5
Manti............	31.7	36.6	44.6	46.4	54.7	67.7	69.7	70.6	55.9	48.3	38.4	30.6	49.6
Nephi............	32.4	38.7	48.1	49.4	58.1	72.6	73.9	75.4	59.6	50.3	40.6	31.7	52.6
Panguitch........	32.4	33.7	40.7	44.0	52.3	61.2	63.2	66.6	52.6	44.7	36.7	26.7	46.2
Richfield........	34.6	38.1	45.3	47.1	M	66.3	69.1	70.6	57.0	48.2	39.5	30.5	M
#Division.......	33.9	36.1	43.9	46.0	54.8	66.8	68.9	70.8	55.7	47.1	38.4	30.1	49.4
NORTHERN MOUNTAINS													
Coalville........	25.1	34.3	43.1	44.6	51.9	63.6	65.0	66.8	52.8	45.5	35.7	27.2	46.3
Heber............	24.6	34.0	42.7	44.1	52.0	63.4	65.4	67.4	53.0	46.6	36.8	28.6	46.6
Manila...........	28.2	32.7	42.7	44.6	52.4	65.8	66.4	67.4	54.0	46.1	36.2	27.1	47.0
Morgan...........	24.1	34.8	43.1	46.4	53.4	66.1	67.3	69.7	54.3	46.7	36.0M	27.9	47.5M
Olmstead PH......	32.1	40.2	49.0	50.5	58.5	72.4	72.6	74.7	59.5	53.5	42.5	34.4	53.3
Scofield.........	26.5	23.5	32.6	33.6	40.7	55.8	57.6	60.4	45.2	38.2	29.4	24.0	39.0
Silver Lk Brighton	26.7	22.9	32.1	32.8	40.1	53.1	55.5	58.9	43.3	36.1	27.0	22.4	37.6
Woodruff.........	14.1	27.1	37.8	40.4	47.9	60.4	61.4	63.0	48.3	41.0	31.6	21.0	41.2
#Division.......	24.7	30.6	40.2	41.7	49.5	62.7	64.2	66.0	51.3	44.0	33.9	25.7	44.5
UINTA BASIN													
Duchesne.........	22.3	34.9	46.0	47.5	55.3	68.3	69.3	70.5	57.7	46.8	35.3	25.0	48.2
Fort Duchesne....	17.1	32.6	45.2	47.8	56.9	70.3	71.9	72.4	58.2	47.3	36.1	26.1	48.5
Jensen..........	15.0	33.4	45.4	48.4	56.0	69.1	69.9	70.9	57.6M	48.1	36.5	26.5	48.1M
#Division.......	18.6	33.5	44.8	47.3	55.5	69.0	70.6	71.2	57.4	47.2	35.7	25.9	48.1
SOUTHEAST													
Blanding.........	35.8	37.5	45.3	48.5	57.4	69.1	70.8	72.3	58.1	49.4	39.1	32.4	51.3
Ferron...........	30.4	36.2	45.8	47.7	57.1	70.3	70.1	71.8	58.6	47.9	37.6	29.6	50.3
Hanksville.......	32.8	M	50.5	54.9	62.4	77.2	78.3	78.1	65.0	51.7	41.2	31.6	M
Moab 4 NW........	36.9	46.2	53.6	58.4	65.2	77.7	80.0	80.1	67.0	55.1	45.3	35.8	58.4
Price Warehouse..	34.7	39.3	47.6	48.8	57.6M	72.0	72.0	72.8	60.3M	48.8	40.5	32.0	52.2M
#Division.......	34.8	39.8	48.0	51.3	59.9	72.9	74.7	75.8	61.4	50.3	40.5	32.3	53.5
STATE AVERAGE.....	30.7	37.2	45.6	47.8	56.2	69.5	71.0	73.0	57.6	48.3	38.5	29.2	50.4

ource: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 4322-4825. #Division averages include other stations not shown in this table. State averages are determined by eighting division averages by their relative areas in the State total.
-Missing data.

Normal Mean Monthly Temperature (^{o}F), Utah, 1951-80.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta...........	26.0	32.8	39.3	47.9	56.9	67.6	76.2	73.4	63.6	51.0	37.3	28.0	50.0
Milford WSO.....	26.4	32.1	38.2	46.3	55.9	65.8	74.3	72.1	62.6	50.3	36.8	28.2	49.1
Modena..........	28.7	34.0	38.6	46.2	55.2	64.8	72.4	70.3	62.3	51.0	38.1	30.3	49.3
Scowville.......	22.1	28.1	33.6	43.1	52.5	60.9	70.0	67.7	58.6	46.6	34.0	24.7	45.2
Wendover........	28.1	34.4	41.4	50.5	60.8	70.4	79.8	76.7	66.0	52.4	38.2	28.8	52.3
#Division....	26.8	32.5	38.5	46.5	56.0	65.1	73.8	71.3	62.0	50.1	36.9	28.1	49.0
DIXIE													
St. George......	40.3	46.2	51.9	59.8	68.9	78.3	84.9	82.8	75.0	63.3	49.5	40.9	61.8
Zion Nat'l Park.	40.1	45.0	49.3	57.4	67.0	77.3	84.2	81.8	75.1	64.1	49.9	41.5	61.1
#Division....	39.6	45.1	50.1	57.8	66.8	76.3	83.2	81.0	73.8	62.5	48.9	40.6	60.5
NORTH CENTRAL													
Corinne.........	25.4	31.0	38.4	47.7	56.8	65.7	74.4	71.9	62.2	52.9	37.2	28.1	49.3
Elberta.........	27.6	33.0	39.9	48.2	57.5	66.8	75.1	72.6	63.5	51.5	38.7	29.2	50.3
Farmington USU..	29.1	34.3	40.6	49.0	58.5	67.2	75.7	73.4	63.9	52.6	39.5	30.6	51.2
Logan USU.......	24.7	29.0	36.2	46.0	55.9	64.0	73.0	71.1	61.8	50.6	36.7	27.2	48.0
Ogden Pioneer PH	28.6	33.6	40.0	49.0	59.0	68.0	77.0	74.3	64.8	53.1	39.4	30.5	51.4
SLC Airport.....	28.6	34.1	40.7	49.2	58.8	68.3	77.5	74.9	65.0	53.0	39.7	30.3	51.7
Tooele..........	29.5	33.9	39.6	48.0	57.7	67.0	75.8	73.0	63.9	51.8	38.8	30.7	50.8
Trenton.........	21.1	26.2	33.8	44.4	54.0	61.4	69.2	67.0	59.6	48.4	35.7	24.5	45.5
Utah Lake Lehi..	26.2	31.5	38.3	46.8	56.3	64.8	72.6	70.3	61.1	49.8	37.0	28.4	48.6
#Division....	26.8	31.7	38.5	47.4	57.0	65.7	74.3	72.0	62.7	51.3	37.8	28.7	49.5
SOUTH CENTRAL													
Cedar City FAA..	29.6	34.2	39.2	47.0	56.3	66.3	74.0	71.8	63.5	52.0	39.1	31.1	50.3
Fillmore........	29.1	34.5	40.5	48.4	57.7	67.4	75.9	73.6	65.0	53.0	39.3	30.4	51.2
Kanab PH........	35.1	39.7	44.0	51.5	60.0	69.3	75.9	73.7	67.2	57.1	44.8	36.8	54.6
Levan...........	26.3	31.6	38.3	46.5	55.9	65.2	73.6	71.2	62.6	51.4	37.9	28.3	49.1
Loa.............	23.6	27.8	32.9	40.8	50.0	58.4	64.8	62.4	55.0	45.1	32.7	24.9	43.2
Manti...........	26.1	30.6	37.4	45.6	54.6	63.3	70.6	68.5	60.3	49.9	36.7	27.8	47.6
Nephi...........	28.9	33.4	39.4	47.7	57.2	67.0	76.0	73.5	64.4	52.9	39.5	30.7	50.9
Panguitch.......	24.2	28.1	33.9	41.9	50.3	42.2	65.5	63.2	56.0	46.6	34.1	25.3	43.9
Richfield KSVC..	28.0	32.9	38.9	46.3	55.0	63.5	70.8	68.8	60.4	49.9	37.5	29.4	48.5
#Division....	27.2	31.7	37.3	45.2	54.3	63.5	71.1	68.7	60.8	50.2	37.3	28.9	48.0
NORTHERN MOUNTAINS													
Coalville.......	24.4	28.3	34.5	43.2	51.3	57.3	65.6	63.9	56.4	46.9	35.2	26.1	44.5
Heber...........	21.8	26.3	33.9	42.9	51.8	59.4	67.4	65.4	57.2	47.4	34.2	24.8	44.4
Manila..........	22.1	26.2	33.9	41.8	51.9	60.3	67.8	65.8	57.4	47.3	33.5	23.5	44.3
Morgan..........	23.5	28.1	35.3	44.3	53.5	61.6	69.2	67.0	58.2	48.0	34.6	25.9	45.8
Olmstead PH.....	30.1	32.6	39.4	47.9	56.7	65.9	76.1	73.1	64.1	53.4	39.9	30.7	50.8
Scofield........	16.1	21.3	26.4	34.8	45.0	52.4	59.0	57.1	50.1	41.3	28.4	18.3	37.5
Silver Lk Brighton	19.0	21.0	24.0	31.6	40.9	50.1	58.2	56.2	48.7	39.1	27.0	20.8	36.4
Woodruff........	15.8	18.9	26.9	38.1	47.5	55.4	62.6	60.3	51.8	41.5	28.2	18.6	38.8
#Division....	21.6	25.3	31.6	40.9	50.3	58.5	66.4	64.2	56.0	45.9	32.9	24.2	43.2
UINTA BASIN													
Duchesne	19.0	25.5	35.4	45.7	55.9	64.2	71.2	68.7	60.0	48.3	33.4	22.2	45.7
Fort Duchesne...	14.8	22.0	34.6	45.3	55.8	64.4	71.5	68.7	59.4	47.6	32.7	19.5	44.7
Jensen..........	15.4	22.8	35.3	46.5	56.8	65.0	72.2	69.1	60.0	48.0	33.3	20.0	45.4
#Division....	16.2	23.6	35.4	46.2	56.3	64.7	71.9	69.2	60.1	48.2	33.2	20.7	45.5
SOUTHEAST													
Blanding........	27.3	33.0	38.9	47.1	56.9	66.9	73.5	70.8	63.1	51.8	38.4	29.5	49.8
Ferron..........	22.8	29.0	36.4	46.1	56.0	65.6	72.6	69.6	61.6	50.7	36.2	26.0	47.7
Green River Avn.	23.1	32.6	42.1	51.7	61.6	70.7	78.0	75.2	65.4	52.9	38.3	26.9	51.5
Hankeville......	25.6	34.1	42.9	52.4	62.9	72.8	80.0	77.0	67.4	54.4	39.0	28.2	53.1
Moab 4 NW.......	30.2	38.0	47.0	56.4	66.1	75.2	82.1	79.5	70.5	58.0	43.5	32.9	56.6
Price Warehouse.	24.4	30.7	38.1	47.1	58.6	66.8	74.3	71.6	63.4	52.1	37.7	27.4	49.4
#Division....	26.6	33.8	41.3	50.5	60.5	70.0	76.9	74.2	65.7	53.9	39.5	29.1	51.8
STATE AVERAGE....	25.6	31.3	38.0	46.7	56.3	65.3	73.1	70.6	62.0	50.7	37.1	27.7	48.7

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Ut 84322-4825. #Division averages include other stations not shown in this table. State averages are determined weighting division averages by their relative areas in the State total.

Total Precipitation (inches), Utah, 1986.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta...........	.39	.56	1.42	1.35	.70	.10	.23	.78	1.38	.34	.26	.04	7.55
Milford.........	.22	.58	1.82	2.09	.84	.28	.24	1.50	.94	.22	.37	.25	9.35
Modena..........	.08	.48	1.04	1.20	.44	.24	.71	2.93	1.11	.97	.22	.54	9.96
Snowville.......	.61	1.77	.89	3.32	1.33	.07	.68	1.07	.83	1.24	.31	.20	12.32
Wendover........	.14M	.20M	.30	1.19	.13	.01	M	M	.93	1.04	.03	.00	M
#Division......	.30	.90	.98	1.84	.88	.15	.55	1.13	1.08	1.01	.24	.08	9.14
DIXIE													
St. George......	.20	.75	1.29	.36	.04	.08	.69	.87	.87	.35	.54	.26	6.30
Zion Nat'l Park..	.44	1.84	2.75	1.14	.08	.27	1.80	2.00	2.11	1.12	.90	.69	15.14
#Division......	.41	1.44	2.25	.92	.12	.09	.85	1.41	1.67	.65	.66	.47	10.94
NORTH CENTRAL													
Corinne.........	1.39	3.46	2.59	6.08	.90	.25	1.14	.47	3.83	.78	1.35	.05	22.29
Elberta.........	.19	1.03	1.39	2.72	.65	.68	.83	1.14	2.11	1.09	.37	.07	12.27
Farmington USU..	2.02	3.91	4.96	6.39	3.14	.29	1.51	1.89	5.03	.64	1.24	.27	31.29
Logan USU.......	1.51	4.44	2.88	5.80	2.35	.10	1.93	.93	4.54	1.29	.87	.14	26.78
Ogden Pioneer PH	2.00	4.93	3.20	6.40	2.41	.19	1.00	1.65	4.28	.70	.77	T	27.53
SLC Airport.....	.86	1.28	2.32	4.55	3.39	.42	.85	1.32	2.75	.39	1.17	.10	19.40
Tooele..........	.52	1.57	3.38	5.99	3.33	.96	.79	2.33	3.17	1.29	1.99	.15	25.47
Trenton.........	1.08	5.67	2.11	4.94	1.64	.20	1.34	.50	2.35	.72	.53	.14	21.22
Utah Lake Lehi..	1.58M	3.12	1.78	3.01	1.08	.00	.55	.90	1.73	.61	.30M	.33	14.99M
#Division......	1.13	3.06	2.66	4.40	2.05	.38	1.30	1.41	3.34	.88	1.01	.14	21.76
SOUTH CENTRAL													
Cedar City FAA..	.13	.67	1.72	1.46	.33	.31	.76	3.57	1.72	.92	.44	.57	12.60
Fillmore........	.45	.94	2.48	4.00	2.53	.74	1.02	.82	1.69	1.01	.53	.42	16.63
Kanab PH........	.25	1.58	1.79	1.06	.19	.76	1.79	2.15	2.14	1.98	1.00	.54	15.23
Levan...........	.56	2.09	1.50	2.33	1.37	.46	.83	.99	2.33	.80	.58	.40	14.24
Loa.............	.10	.67	.57	.61	.77	.49	1.04	2.15	.89	1.52	.32	.29M	9.42M
Manti...........	.23	1.26	1.37	1.99	.98	.56	.71	1.89	1.65	1.34	.27	.35	12.60
Nephi...........	.62	2.29	2.39	3.42	1.43	.40	1.47	.68	2.23	.75	.75	.36	16.79
Panguitch.......	.13	.14	.83	1.25	.12	.51	.84	1.94	1.18	.75	.25	.30	8.24
Richfield KSVC..	.20	.37	.26	.97	M	.10	.47	1.36	1.41	1.04	.65	.00	M
#Division......	.35	1.15	1.41	1.56	.79	.43	1.04	1.67	1.87	1.17	.55	.37	12.36
NORTHERN MOUNTAINS													
Coalville.......	.74	2.82	1.82	3.92	2.18	.47	1.76	3.71	1.81	1.52	1.25	.11	22.11
Heber...........	1.04	4.78	1.93	2.38	1.00	.24	1.81	.77	1.98	1.30	.59	.19	18.01
Manila..........	.05	.56	1.08	2.15	1.21	1.54	1.78	1.16	1.04	2.60	.18	.13	13.48
Morgan..........	1.66	6.88	2.04	4.50	2.67	.38	1.40	2.64	3.70	.95	1.53	.05	28.40
Olmstead PH.....	1.74	2.59	3.30	3.74	2.33	.40	1.47	2.37	3.72	.64	1.07	.30	23.67
Scofield........	1.65M	8.73	2.88	2.56M	2.77	.15	.92	1.29	2.38	1.62	1.71	.32	26.98
Silver Lk Brighton	3.57	11.64	5.00	7.13	4.01	.38	3.26	2.22	5.09	3.42	4.00	.41	50.13
Woodruff........	.08	.84	.75	2.04	.80	.65	.52	1.50	1.86	1.52	.18	.07	10.81
#Division......	1.21	4.65	2.23	3.88	2.07	.51	1.46	1.77	2.81	1.58	1.16	.19	23.52
UINTA BASIN													
Duchesne AP.....	.24	.87	.25	3.06	.72	.23	1.67	.79	1.31	1.56	.20	.46	11.36
Fort Duchesne...	.06	.17	.37	1.85	.96	.79	.39	.31	1.00	1.60	.05	.14	7.69
Jensen..........	.19	.40	.72	1.77	1.01	.51	1.80	1.36	1.69	.96	.06	.13	10.60
#Division......	.15	.55	.64	1.88	.99	.61	1.42	.76	1.41	1.54	.15	.21	10.31
SOUTHEAST													
Blanding........	.21	1.37	.76	1.59	.49	1.06	1.80	2.40	2.35	1.26	1.43	.67	15.39
Ferron..........	.05	.72	.46	.31	.32	.49	.24	1.10	.85	1.06	.38	.07	6.05
Hanksville......	.17	M	.16	.41	.63	.23	.59	.33	.79	1.50	.37	.31	M
Moab 4 NW.......	.10	.18	.42	1.52	1.58	.21	.99	.38	.76	2.49	.42	.61	9.66
Price Warehouse.	.15	1.85	.69	1.19	.37	.10	1.12	.93	1.99	1.42	M	.00	M
#Division......	.12	.66	.65	1.21	.70	.37	1.50	1.22	1.60	1.45	1.08	.54	11.10
STATE AVERAGE....	.43	1.52	1.26	2.05	1.05	.36	1.13	1.35	1.79	1.25	.69	.29	13.17

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 84322-4825. #Division averages include other stations not shown in this table. State averages are determined by weighting division averages by their relative areas in the State total.
M-Missing data.

Normal Precipitation (inches), Utah, 1951-80.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	.55	.61	.80	.79	.94	.41	.58	.48	.56	.57	.59	.63	7.51
Milford..........	.69	.74	.99	.96	.73	.42	.61	.71	.69	.73	.69	.63	8.59
Modena...........	.69	.73	.80	.68	.70	.40	1.14	1.21	.80	.87	.73	.49	9.24
Snowville........	1.11	.88	.86	1.14	1.48	1.26	.54	.84	.70	.70	1.00	.94	11.45
Wendover.........	.34	.36	.42	.43	.85	.61	.25	.42	.23	.47	.38	.30	5.06
#Division.....	.59	.57	.74	.81	.92	.67	.63	.72	.55	.65	.62	.54	8.01
DIXIE													
St. George.......	1.04	.90	.98	.47	.49	.21	.62	.65	.52	.56	.75	.72	7.91
Zion Nat'l Park..	1.76	1.71	1.78	1.12	.80	.60	.98	1.59	.88	.90	1.20	1.26	14.58
#Division.....	1.35	1.36	1.42	.83	.66	.36	.78	1.01	.76	.78	.99	.96	11.26
NORTH CENTRAL													
Corinne..........	1.78	1.52	1.36	1.73	1.66	1.42	.48	.80	1.04	1.18	1.39	1.50	15.86
Elberta..........	.90	.80	.93	1.06	.98	.73	.65	1.04	.68	.85	.90	.94	10.46
Farmington USU...	2.11	1.89	2.03	2.94	2.22	1.36	.58	1.08	1.11	1.52	1.71	1.77	20.32
Logan USU........	1.68	1.57	1.75	2.06	1.71	1.53	.45	.96	1.06	1.43	1.53	1.63	17.36
Ogden Pioneer PH.	2.36	1.90	2.05	2.52	2.14	1.58	.65	.98	1.20	1.58	1.73	1.89	20.58
SLC Airport......	1.35	1.33	1.72	2.21	1.47	.97	.72	.92	.89	1.14	1.22	1.37	15.31
Tooele...........	1.22	1.32	1.94	2.38	1.58	1.06	.75	.86	.92	1.36	1.43	1.42	16.24
Trenton..........	1.74	1.41	1.54	1.83	1.78	1.55	.55	.96	1.02	1.31	1.34	1.40	16.43
Utah Lake Lehi...	.95	.76	1.09	1.25	.98	.71	.61	.88	.74	.92	.89	.88	10.66
#Division.....	1.54	1.39	1.60	1.95	1.60	1.19	.65	.95	.99	1.31	1.35	1.41	15.93
SOUTH CENTRAL													
Cedar City FAA...	.64	.80	1.06	.98	.82	.45	1.10	1.17	.90	.78	.91	.65	10.26
Fillmore.........	1.45	1.52	1.79	1.75	1.26	.68	.63	.78	.93	1.07	1.31	1.34	14.51
Kanab PH.........	1.75	1.25	1.41	.82	.68	.38	.87	1.37	.79	.90	1.11	1.24	12.57
Levan............	1.31	1.32	1.52	1.66	1.33	.76	.68	.91	1.05	1.09	1.24	1.37	14.24
Loa..............	.39	.27	.34	.42	.69	.39	1.10	1.21	.87	.63	.42	.34	7.07
Manti............	1.13	1.20	1.28	1.40	1.16	.69	.67	.89	1.08	.99	1.05	.99	12.53
Nephi............	1.30	1.27	1.46	1.48	1.22	.76	.63	.95	.88	1.07	1.22	1.26	13.50
Panguitch........	.54	.65	.66	.60	.80	.58	1.46	1.56	1.10	.68	.74	.52	9.89
Richfield........	.63	.62	.63	.71	.73	.41	.81	.69	.80	.64	.59	.56	7.82
#Division.....	1.08	1.05	1.16	1.04	.09	.54	.96	1.30	1.00	.92	.98	.97	11.09
NORTHERN MOUNTAINS													
Coalville........	1.28	1.10	1.35	1.83	1.58	1.12	.83	.95	1.03	1.27	1.35	1.35	15.04
Heber............	2.09	1.52	1.27	1.32	1.18	.93	.65	.92	.92	1.29	1.50	1.73	15.32
Manila...........	.37	.51	.69	1.31	1.25	.87	.92	.92	.93	1.08	.48	.38	9.71
Morgan...........	1.91	1.73	1.76	2.19	1.76	1.30	.52	.97	1.04	1.50	1.64	1.75	18.07
Olmstead PH......	2.44	1.89	1.95	2.08	2.22	1.36	.48	1.06	1.10	1.10	1.74	2.20	19.62
Scofield.........	2.77	2.52	2.43	1.78	1.45	.93	.95	1.46	1.27	1.31	1.53	1.89	20.29
Silver Lk Brighton.	5.56	4.96	5.26	4.44	2.83	1.76	1.28	1.90	1.96	2.94	4.30	5.02	42.21
Woodruff.........	.51	.48	.59	.88	.89	1.12	.72	.74	.79	.82	.62	.58	8.74
#Division.....	2.18	1.93	1.89	1.88	1.55	1.17	.88	1.23	1.15	1.45	1.62	1.99	18.92
UINTA BASIN													
Duchesne AP......	.41	.49	.55	.70	.83	.92	.64	1.07	.92	.94	.48	.66	8.61
Fort Duchesne....	.44	.34	.50	.60	.62	.69	.52	.73	.61	.78	.47	.52	6.82
Jensen...........	.51	.52	.61	.64	.75	.69	.43	.67	.71	.89	.53	.60	7.55
#Division.....	.52	.45	.58	.68	.78	.72	.58	.81	.71	.87	.54	.61	7.85
SOUTHEAST													
Blanding.........	1.34	.95	.80	.67	.59	.37	1.04	1.41	.89	1.46	.89	1.29	11.70
Ferron...........	.66	.60	.55	.47	.78	.51	.85	1.17	.78	.70	.58	.51	8.16
Hanksville.......	.30	.22	.35	.42	.49	.23	.44	.83	.60	.63	.43	.30	5.24
Moab 4 NW........	.57	.52	.67	.91	.68	.37	.52	.83	.66	.94	.66	.67	8.00
Price Warehouse..	.73	.76	.72	.50	.72	.70	.85	1.17	.97	1.09	.60	.87	9.68
#Division.....	.73	.61	.64	.61	.67	.40	.77	1.05	.78	1.08	.73	.74	8.81
STATE AVERAGE.....	1.01	.92	1.01	1.02	.98	.68	.77	1.02	.83	.98	.90	.94	11.06

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Uta 84322-4825. #Division averages include other stations not shown in this table. State averages are determined b weighting division averages by their relative areas in the State total.

Accumulated Growing Degree Days Base 50, by Months, Utah, 1986.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	13	95	198	202	338	553	617	655	345	239	83	5	3343
Milford..........	36	78	181	192	342	547	608	644	332	228	80	11	3279
Modena...........	66	88	164	214	383	538	562	625	315	240	93	16	3304
Snowville........	0	28	147	174	276	533	544	575	311	202	33	0	2823
Wendover.........	0	75	160	161	387	759	M	M	393	173	40	0	M
#Division.......	31	76	179	189	344	547	611	646	335	223	77	7	3265
DIXIE													
St. George.......	204	183	354	432	616	779	877	890	575	391	220	59	5580
Zion Nat'l Park..	187	133	286	324	567	761	817	847	519	363	200	97	5101
#Division.......	194	154	314	368	570	740	820	843	527	365	205	77	5177
NORTH CENTRAL													
Corinne..........	0	35	118	177	299	554	568	661	295	276	30	6	3019
Elberta..........	6	66	180	180	335	574	658	654	342	230	72	1	3298
Farmington USU...	1	51	138	179	369	653	678	739	361	246	59	5	3479
Logan USU........	0	25	122	93	253	548	571	679	271	147	21	0	2730
Ogden Pioneer PH.	3	49	174	157	323	673	688	768	349	200	45	7	3436
SLC Airport......	2	60	137	136	296	639	681	768	344	205	55	5	3328
Tooele...........	11	57	160	141	332	615	646	688	331	206	43	3	3233
Trenton..........	0	33	136	154	256	462	496	551	274	210	29	1	2602
#Division.......	3	46	148	148	305	563	617	681	314	208	45	4	3082
SOUTH CENTRAL													
Cedar City FAA...	51	70	159	168	348	566	602	633	326	187	66	11	3187
Fillmore.........	22	85	192	203	365	587	655	702	358	226	85	6	3486
Kanab............	133	107	226	261	434	574	621	679	377	279	112	40	3849
Levan............	2	66	172	171	286	512	593	625	325	211	73	4	3040
Loa..............	14	39	134	130	295	401	438	458	263	149	35	19	2375
Manti............	6	53	154	150	298	492	550	570	282	185	48	3	2791
Nephi............	19	78	221	217	379	581	632	650	362	265	89	13	3506
Panguitch........	25	54	155	166	305	427	458	492	285	182	70	7	2626
Richfield........	30	83	180	188	303	487	549	571	316	224	86	8	3023
#Division.......	36	65	159	172	327	502	544	584	[illegible]19	197	65	12	2972
NORTHERN MOUNTAINS													
Heber............	1	30	131	94	268	418	471	529	273	187	42	3	2447
Manila...........	4	39	135	112	260	465	485	492	265	144	20	2	2423
Morgan...........	3	41	138	147	290	482	505	562	289	219	33	0	2709
Olmstead PH......	5	58	185	172	320	590	618	660	351	254	79	17	3309
Silver Lk Brighton	2	2	17	15	83	261	275	350	107	27	0	0	1139
Woodruff.........	0	13	102	87	229	399	422	465	231	139	19	2	2108
#Division.......	2	30	113	99	247	439	456	497	253	154	29	3	2322
UINTA													
Duchesne.........	1	62	182	188	355	534	537	561	333	164	21	0	2938
Ft. Duchesne.....	0	45	167	165	323	548	603	600	330	191	25	0	2997
Jensen...........	0	46	184	199	328	541	575	570	327	213	40	0	3023
#Division.......	0	51	181	187	335	535	575	576	322	175	25	0	2962
SOUTHEAST													
Blanding.........	25	64	154	193	339	543	577	623	306	184	43	1	3052
Ferron...........	0	56	163	172	325	568	564	601	351	197	49	0	3046
Hanksville.......	31	130	276	319	443	638	688	683	448	270	92	2	4020
Moab 4 NW........	53	157	302	354	485	668	742	729	475	330	147	20	4462
Price............	17	64	146	182	309	548	603	623	436	251	62	1	3242
#Division.......	23	102	228	255	391	639	661	685	414	252	84	5	3739
STATE AVERAGE......	25	72	179	191	340	550	590	624	340	214	66	7	3198

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 84322-4825.
M=Missing data.

Normal Growing Degree Days Base 50, by Months, Utah.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	0	0	63	201	357	529	664	628	456	262	34	0	3194
Milford..........	0	0	54	194	370	514	621	602	450	256	36	0	3097
Modena...........	0	2	83	215	380	515	583	573	460	289	65	0	3165
Snowville........	0	0	7	135	307	448	556	546	401	210	12	0	2622
Wendover.........	0	0	39	179	368	617	803	755	456	189	8	0	3414
#Division......	0	1	60	189	358	505	628	601	439	246	36	0	3063
DIXIE													
St. George.......	65	150	277	398	585	699	815	791	629	464	227	86	5186
Zion Nat'l Park..	29	100	210	338	547	707	825	807	674	433	187	56	4913
#Division......	45	122	238	360	546	675	793	774	628	435	202	69	4887
NORTH CENTRAL													
Corinne..........	0	0	31	180	355	492	642	605	427	226	18	0	2976
Elberta..........	0	0	59	202	374	519	660	630	437	245	31	0	3157
Farmington USU...	0	0	50	189	361	522	680	648	438	246	30	0	3164
Logan USU........	0	0	3	112	285	435	655	615	369	174	4	0	2652
Ogden Pioneer....	0	0	31	167	342	546	727	687	437	230	23	0	3190
SLC Airport......	0	0	39	178	357	553	717	687	449	238	26	0	3244
Tooele...........	0	0	20	143	305	516	736	678	400	186	12	0	2996
Trenton..........	0	0	4	124	306	431	550	541	416	224	15	0	2611
#Division......	0	0	29	161	336	498	660	627	423	222	19	0	2975
SOUTH CENTRAL													
Cedar City FAA...	0	0	50	179	348	506	657	628	433	257	47	0	3105
Fillmore.........	0	0	67	198	365	529	682	657	459	267	42	0	3266
Kanab............	0	48	147	269	428	557	671	656	507	346	137	14	3780
Levan............	0	0	43	180	350	494	625	597	440	256	35	0	3020
Loa..............	0	0	9	115	273	401	487	448	336	187	15	0	2271
Manti............	0	0	29	158	319	449	588	548	391	218	20	0	2720
Nephi............	0	0	43	181	357	520	663	636	460	275	47	0	3182
Panguitch........	0	0	25	156	304	402	520	492	385	239	34	0	2557
Richfield........	0	1	77	204	362	492	569	554	440	277	56	0	3032
#Division......	0	3	46	167	332	475	592	562	416	245	43	1	2882
NORTHERN MOUNTAINS													
Heber............	0	0	7	124	297	421	542	523	388	217	15	0	2534
Manila...........	0	0	0	91	266	404	545	499	343	163	4	0	2315
Morgan...........	0	0	14	145	325	463	557	543	408	225	15	0	2695
Olmstead PH......	0	0	37	160	319	493	684	656	437	249	26	0	3061
Silver Lk Brighton	0	0	0	0	67	211	327	301	179	32	0	0	1117
Woodruff.........	0	0	0	47	214	336	462	441	310	132	0	0	1942
#Division.......	0	0	6	89	252	387	515	488	344	169	9	0	2259
UINTA BASIN													
Duchesne.........	0	0	23	175	356	472	592	552	392	200	9	0	2771
Fort Duchesne....	0	0	27	187	368	499	570	551	416	214	10	0	2842
Jensen...........	0	0	38	208	391	513	572	556	439	237	16	0	2970
#Division.......	0	0	32	193	371	494	587	559	416	215	11	0	2878
SOUTHEAST													
Blanding.........	0	0	40	180	357	514	653	608	415	232	27	0	3026
Ferron...........	0	0	19	151	318	474	652	581	391	223	21	0	2830
Hanksville.......	0	10	140	291	476	605	720	687	515	315	63	0	3822
Moab 4 NW........	0	26	177	327	522	657	767	736	564	363	107	0	4246
Price............	0	0	42	201	395	518	654	616	433	250	30	0	3139
#Division.......	0	10	99	242	424	572	697	659	482	284	55	0	3524
STATE AVERAGE......	0	5	59	186	358	502	625	595	433	245	39	1	3048

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 84322-4825.

Accumulated Growing Degree Days Base 40, by Months, Utah, 1986.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	81	203	337	349	500	725	808	843	529	396	210	62	5043
Milford..........	124	177	320	336	494	681	783	832	509	383	199	70	4908
Modena...........	197	183	307	366	535	686	755	835	485	393	231	95	5068
Snowville........	6	92	284	314	426	672	774	748	479	356	123	29	4303
Wendover.........	19	182	342	368	600	951	M	M	653	370	138	8	M
#Division.......	103	175	328	345	502	717	797	839	524	382	205	43	4960
DIXIE													
St. George.......	364	346	558	637	812	944	1052	1065	790	628	387	209	7792
Zion Nat'l Park..	362	283	507	538	774	928	996	1022	722	624	372	251	7379
#Division.......	361	310	527	567	768	906	997	1018	735	602	374	229	7394
NORTH CENTRAL													
Corinne..........	12	105	267	336	488	769	815	851	504	431	125	40	4743
Elberta..........	57	168	331	337	514	737	832	847	542	388	195	50	4998
Farmington USU...	34	151	296	354	558	836	882	914	583	412	179	39	5238
Logan USU........	12	85	257	229	459	768	826	879	483	308	109	14	4429
Ogden Pioneer....	35	143	349	322	542	869	906	965	585	406	165	49	5336
SLC Airport......	24	167	295	306	512	844	901	961	573	381	169	25	5158
Tooele...........	61	151	307	296	538	817	861	869	527	375	154	35	4991
Trenton..........	13	93	269	304	423	651	711	728	440	362	127	34	4155
#Division.......	33	126	299	307	501	778	837	874	530	376	151	36	4848
SOUTH CENTRAL													
Cedar City FAA...	179	169	297	324	542	747	830	857	546	346	182	85	5104
Fillmore.........	95	192	354	374	570	775	865	900	581	400	208	63	5377
Kanab PH.........	286	228	381	438	590	729	814	863	576	454	256	184	5789
Levan............	46	158	310	331	467	719	810	831	527	367	191	83	4840
Loa..............	102	117	257	267	454	592	652	702	429	300	152	85	4109
Manti............	70	143	278	299	472	694	784	807	487	338	160	55	4587
Nephi............	82	173	363	373	562	752	813	843	561	430	213	85	5250
Panguitch........	140	144	270	309	467	570	630	696	438	331	191	56	4242
Richfield........	125	189	325	330	473	633	730	777	493	375	208	82	4740
#Division.......	127	155	294	323	501	676	756	796	492	352	186	73	4731
NORTHERN MOUNTAINS													
Heber............	19	89	255	223	427	614	705	728	444	339	150	59	4052
Manila...........	51	114	252	251	439	717	744	759	448	292	107	24	4198
Morgan...........	28	116	267	288	453	645	714	731	474	372	127	56	4271
Olmstead PH......	57	146	334	342	541	770	821	848	537	431	200	89	5116
Silver Lk Brighton	50	20	99	80	192	426	497	585	236	122	33	2	2342
Woodruff.........	4	47	212	217	378	571	633	634	371	281	97	23	3468
#Division.......	34	84	229	234	402	623	677	716	431	293	116	37	3876
UINTA BASIN													
Duchesne.........	17	142	323	341	511	709	770	785	523	321	129	23	4594
Ft. Duchesne.....	1	110	312	316	522	737	810	804	530	346	136	23	4647
Jensen...........	2	114	330	348	499	705	796	759	517	369	168	35	4642
#Division.......	7	122	327	338	514	715	798	789	519	329	136	23	4617
SOUTHEAST													
Blanding.........	137	146	283	352	560	750	819	842	526	342	166	57	4980
Ferron...........	49	140	304	323	546	766	801	834	551	347	160	50	4871
Hanksville.......	144	254	440	481	601	812	862	863	649	438	236	88	5868
Moab 4 NW........	187	307	477	537	659	841	912	904	692	504	299	146	6465
Price Warehouse..	108	153	291	338	531	774	816	838	652	416	183	50	5150
#Division.......	130	219	383	424	591	799	864	879	628	422	219	80	5638
STATE AVERAGE......	99	165	323	347	516	724	795	826	532	374	187	59	4947

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 84322-4825.
M-Missing data.

Normal Growing Degree Days Base 40, by Months, Utah.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
WESTERN													
Delta............	1	76	217	350	549	709	834	798	623	417	167	19	4760
Milford..........	4	76	208	343	530	661	791	771	600	411	173	33	4601
Modena...........	52	115	238	364	529	628	751	735	590	443	213	84	4742
Snowville........	0	14	124	285	462	590	698	673	540	365	117	2	3870
Wendover.........	0	50	189	347	660	837	973	931	724	371	107	1	5190
#Division.......	18	79	207	340	534	667	792	765	601	403	167	36	4609
DIXIE													
St. George.......	220	290	432	598	770	864	985	961	794	632	376	241	7163
Zion Nat'l Park..	183	240	364	540	764	871	995	977	842	680	341	210	7007
#Division.......	200	262	392	549	742	840	963	944	796	631	353	223	6895
NORTH CENTRAL													
Corinne..........	0	29	173	330	540	700	812	778	616	387	131	4	4500
Elberta..........	0	63	212	352	559	703	830	804	636	400	163	15	4737
Farmington USU...	1	70	203	339	584	732	850	821	653	404	161	16	4834
Logan USU........	0	4	106	261	502	710	841	820	624	335	86	0	4289
Ogden Pioneer....	0	50	177	322	601	773	897	863	687	400	147	11	4928
SLC Airport......	0	54	189	330	598	758	887	859	684	405	151	10	4925
Tooele...........	0	46	162	296	565	780	914	883	681	361	126	9	4823
Trenton..........	0	2	106	273	465	616	710	680	551	378	118	0	3899
#Division.......	1	40	166	313	545	712	832	804	631	384	133	9	4570
SOUTH CENTRAL													
Cedar City FAA...	41	94	204	328	531	698	827	806	641	412	192	69	4843
Fillmore.........	21	93	222	347	566	722	852	828	668	425	182	42	4968
Kanab PH.........	131	187	301	419	615	723	841	826	697	518	287	164	5709
Levan............	0	60	194	329	522	673	795	769	610	410	170	19	4551
Loa..............	1	45	141	264	428	551	662	635	486	342	138	22	3715
Manti............	0	39	175	307	485	654	766	742	576	373	141	10	4268
Nephi............	13	72	195	330	552	710	833	806	647	431	190	47	4826
Panguitch........	14	58	170	305	458	542	641	619	529	394	172	39	3941
Richfield........	38	100	232	354	516	619	732	708	566	431	203	68	4567
#Division.......	27	74	188	316	502	641	760	736	586	403	177	51	4461
NORTHERN MOUNTAINS													
Heber............	0	12	126	274	451	567	673	649	529	372	125	4	3782
Manila...........	0	7	99	241	428	633	755	728	523	318	96	1	3829
Morgan...........	0	20	143	295	479	593	692	664	540	380	124	4	3934
Olmstead PH......	4	51	186	309	536	723	854	832	663	412	150	9	4729
Silver Lk Brighton	0	0		69	221	361	518	477	328	169	11	0	2154
Woodruff.........	0	0	29	190	369	487	615	583	459	286	46	0	3064
#Division.......		12	90	230	412	556	675	647	502	322	91	3	3540
UINTA BASIN													
Duchesne.........	0	11	155	325	522	659	764	735	557	355	100	0	4183
Ft. Duchesne.....	0	5	157	337	525	636	736	701	551	369	98	0	4115
Jensen...........	0	10	177	358	545	640	739	694	557	392	117	0	4229
#Division.......	0	9	167	343	534	653	755	720	562	370	103	0	4216
SOUTHEAST													
Blanding.........	0	64	191	330	545	706	823	795	637	389	159	21	4660
Ferron...........	0	26	156	301	515	718	830	790	611	377	140	6	4470
Hanksville.......	11	121	294	442	667	770	890	857	679	473	209	45	5458
Moab 4 NW........	43	153	332	512	736	821	937	906	736	535	257	83	6051
Price Warehouse..	0	47	191	350	579	708	824	792	636	405	161	16	4709
#Division.......	15	94	248	399	622	752	871	839	671	452	192	38	5193
STATE AVERAGE......	17	68	196	337	538	673	793	765	605	405	162	34	4593

Source: Utah State Climatologist, Department of Soil Science and Biomet, Utah State University, Logan, Utah 84322-4825.

Frost Free Period, Utah, 1986 and Normal (1931-60).

Station	1986			Normal		
	Last Spring Minimum of 32° or Below	First Fall Minimum of 32° or Below	Number of Days Between Dates	Last Spring Minimum of 32° or Below	First Fall Minimum of 32° or Below	Number of Days Between Dates
WESTERN						
Delta............	5-23	9-21	121	5-11	9-30	142
Milford..........	5-23	9-19	119	5-18	9-26	131
Modena...........	5-23	9-21	121	5-21	9-28	130
Snowville........	5-24	9-27	126	6-5	9-6	93
Wendover.........	4-14	10-13	151	4-21	10-23	186
DIXIE						
St. George.......	2-12	11-07	268	4-1	11-10	223
Zion Nat'l Park..	5-09	11-04	179	4-6	11-7	215
NORTH CENTRAL						
Corinne..........	4-30	9-28	151	5-14	9-28	138
Elberta..........	5-17	9-28	134	5-14	9-30	140
Farmington USU...	4-27	9-29	155	5-4	10-12	161
Logan USU........	5-09	9-28	142	5-8	10-13	159
Ogden Pioneer PH.	4-26	11-07	195	5-1	10-14	167
SLC Airport......	4-26	11-02	190	5-3	10-11	161
Tooele...........	5-09	10-12	156	4-28	10-24	179
Trenton..........	5-23	9-11	111	5-31	9-12	104
Utah Lake Lehi...	5-13	9-30	140	5-18	9-28	134
SOUTH CENTRAL						
Cedar City FAA...	5-17	9-21	127	5-17	9-30	136
Fillmore.........	5-07	9-29	145	5-4	10-11	160
Kanab PH.........	5-09	10-13	157	5-6	10-13	160
Levan............	5-23	9-25	125	5-16	10-3	140
Loa..............	5-23	9-11	111	6-22	8-29	68
Manti............	5-23	9-29	129	5-24	9-28	128
Nephi............	5-17	9-19	125	5-11	10-2	145
Panguitch........	5-23	9-11	111	6-19	9-3	76
Richfield KSVC...	5-23	9-19	119	5-28	9-18	113
NORTHERN MOUNTAINS						
Coalville........	5-22	9-17	118	6-16	8-29	74
Heber............	5-23	9-11	111	6-11	9-3	84
Manila...........	5-23	9-19	119	6-8	9-8	92
Morgan...........	5-23	9-17	117	6-5	9-8	96
Olmstead PH......	4-27	10-12	168	5-23	9-30	130
Scofield.........	6-07	9-10	95	6-29	8-25	57
Silver Lk Brighton	7-05	9-10	67	7-5	8-27	53
Woodruff.........	5-25	9-11	109	6-27	8-23	57
UINTA BASIN						
Duchesne.........	5-25	9-28	126	5-28	9-20	115
Fort Duchesne....	5-17	9-29	135	5-26	9-16	114
Jensen...........	5-23	9-29	129	5-24	9-14	113
SOUTHEAST						
Blanding.........	5-10	10-04	147	5-15	10-6	144
Ferron...........	5-17	9-30	136	5-15	10-6	144
Hanksville.......	5-10	10-04	147	4-22	10-20	182
Moab 4 NW........	4-27	10-13	169	4-21	10-21	183
Price Warehouse..	5-11	9-19	131	5-12	10-5	147

ource: Utah State Department of Agriculture Climatologist, Department of Soil Science and Biomet, Utah State niversity, Logan, Utah 84322-4825.

CROP ENTERPRISE BUDGETS

Prepared by the Economics Department, Utah State University

Utah State University, Logan, Utah has made available winter wheat, range sheep, and cow/calf enterprise budgets for Utah. These budgets can serve as a guide to help you determine the potential profit/loss picture for your operation. Data present in the budgets may need to be modified to fit your individual operation as there is considerable variation in expenses and incomes for individuals and regions. If there are questions or suggestions regarding these budgets, please contact Cris Lewis at (801) 750-2290 in Logan.

Dryland Wheat Budget for Typical 2,400 Acre Wheat Farm in Blue Creek, Box Elder County (50% Summer Fallow Rotation)[a/], 1986.

	Yield	Price	Total/Acre	Per Bushel
Receipts:				
Wheat sales	34 bu/acre	$2.50/bu	$ 85.00	$ 2.50
Government payments			41.67	1.23
Total Receipts			$ 126.67	$ 3.73
Variable Costs Per Acre:				
Seed			7.75	0.23
Fertilizer and lime			7.86	0.23
Chemicals			2.28	0.07
Fuel and lube			4.40	0.13
Machinery repair			9.45	0.28
Harvesting cost b/			26.29	0.77
Hired labor			5.83	0.17
Miscellaneous production costs			1.82	0.05
Interest			39.25	1.15
Storage			0.24	0.01
Total Variable Costs			$ 105.17	$ 3.09
Income Over Variable Costs			$ 21.50	$ 0.63
Fixed Costs:				
Taxes			0.35	0.01
Depreciation			47.92	1.41
Other fixed costs			5.50	0.16
Total Fixed Costs			$ 53.77	$ 1.58
Total Costs			$ 158.94	$ 4.67
Return to Land, Unpaid Family Labor, Management, and Available for Principal Payments on Intermediate and Long-Term Debt			$ -32.27	$ -0.95

a/ Budgets are calculated assuming 1,200 planted acres. b/ Custom rate (i.e., includes fuel, repairs, and miscellaneous expenses for harvesting).

Estimated Costs and Returns for a Cow/Calf Yearling Operation Located in West-Central Utah, 1986.

	Unit	Number	Weight	Price	Value
Number of Cows in Herd		48			
Revenue or Sales:					
Calves					
Steers.............		14	420	63.00	3,810
Heifers............		10	385	58.00	2,144
Yearlings					
Steers.............		6	700	58.00	2,436
Heifers............		7	625	54.00	2,363
Culled Animals					
Bulls..............		1	1,400	34.00	476
Cows...............		4	950	34.00	1,292
Subtotal..........					12,520
Cash Costs:					
Federal Grazing Fees	AUM	192		1.35	259
Hay Produced.........	Tons	64		45.00	2,880
Pasture and Aftermath	AUM	192		8.00	1,536
Protein Supplement...	Tons	1.5		200.00	300
Salt and Mineral.....	Cwt.	17		5.00	85
Replacement Bull.....					1,200
Vet and Medicine.....					300
Hired Trucking.......					325
Marketing............					140
Hired Labor..........					150
Fuel and Lubricants..					1,100
Repairs..............					925
Property Taxes.......					400
Insurance............					250
Interest.............					3,500
Miscellaneous........					630
Subtotal..........					13,350
Noncash Costs:					
Depreciation.........					3,500
Return to Land, Unpaid Family Labor, Management, and Available for Principal Payments on Intermediate and Long-Term Debt...					-4,330

Estimated Costs and Returns for a Range Sheep Operation Located in Northern Utah, 1986.

	Unit	Number	Weight	Price	Value
Number of Ewes Lambed		2,000			
Revenue or Sales:					
Lambs					
Slaughter..........		600	95	.65	37,050
Feeder.............		900	82	.68	50,184
Culled Animals					
Ewes...............		400	140	.17	9,520
Rams...............		40	175	.17	1,190
Wool					
Wool Sold..........		20,800		.72	14,976
Wool Incentive Payment				1.20	24,930
Subtotal..........					137,850
Cash Costs:					
Federal Grazing Fees	AUM	2,800		1.35	3,780
Pasture and Aftermath	AUM	1,200		6.50	7,800
Hay Produced.........	Tons	267		45.00	12,000
Grain................	Bushels	667		1.80	1,200
Vet and Medicine.....					300
Trucking.............					2,600
Marketing............					360
Replacement Rams.....					7,000
Shearing.............					5,000
Hired Labor..........					28,000
Fuel and Lubricants..					5,800
Repairs..............					3,500
Property Taxes.......					2,850
Insurance............					1,700
Interest on Operating Expenses					5,261
Miscellaneous........					5,800
Subtotal..........					92,951
Noncash Costs:					
Depreciation on Equipment					8,500
Return to Land, Unpaid Family Labor, Management, and Available for Principal Payments on Intermediate and Long-Term Debt...					36,399

UTAH AGRICULTURAL STATISTICS SERVICE
350 N. Redwood Road
P. O. Box 25007
Salt Lake City, Utah 84125-0007
Phone (801)524-5003

NATIONAL AGRICULTURAL STATISTICS SERVICE
U.S. DEPARTMENT OF AGRICULTURE

The following reports published by this office will update many of the estimates in this publication before the 1988 edition:

Report	Release Date
1. **Utah Agriculture** (covers a wide range of farm topics, including crops, livestock, and prices. Also includes annual crop and livestock data).	Twice Monthly
2. **Weekly Crop-Weather** (covers crop conditions during the planting, growing and harvesting season. Also includes livestock comments and detailed weather information by reporting station).	Every Monday, April-October

Information for receiving the above reports can be obtained by writing this office, or you may telephone (801)524-5003.

DelRoy J. Gneiting

DELROY J. GNEITING
State Statistician

UTAH DEPARTMENT OF AGRICULTURE
BIENNIAL REPORT
JANUARY 1, 1985 to DECEMBER 31, 1986

UTAH DEPARTMENT OF AGRICULTURE

ADMINISTRATION

Commissioner of Utah Department of Agriculture
Miles "Cap" Ferry

Deputy Commissioner
Edison J. Stephens

Director of Administrative Services
Renee Matsuura

Director of Agriculture Development and Conservation
James G. Christensen

Director of Animal Industry, State Veterinarian
Dr. Michael Marshall

Director of Food & Consumer Services
Edison J. Stephens

Deputy Director
Robert Smoot

Director of Laboratory Services
Ahmad Salari

Director of Marketing
Bruce J. Richeson

Director of Plant Industry
Paul R. Daniels

Information Officer
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DEPARTMENT OF AGRICULTURE

MISSION STATEMENT

The department's mission is the economic enhancement of Utah's agriculture and allied industries, the conservation and development of Utah's agricultural resources and the protection of consumers and producers.

The primary objectives of the department's mission are -

Development and Conservation

1. To protect, conserve and develop Utah's agricultural and natural resources.

Marketing and Promotion

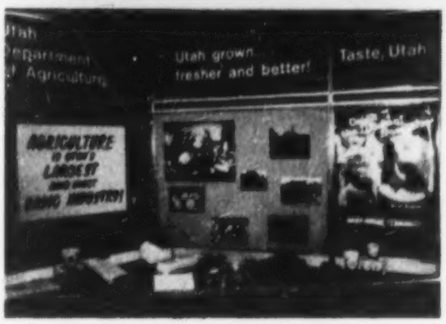
2. To develop new and existing markets, products and methods of production. Also, processing Utah products, thereby improving the local rural economies as well as the state's.

Regulatory

3. Protect public health and safety by assuring the consumer a safe, clean, wholesome and properly labeled and weighed product.

"Agricultural development should be a priority. Additional markets for our products must be sought."

-Governor Norman H. Bangerter
Inaugural Address
Jan. 7, 1985



DEPARTMENT DIRECTORY

Commissioner's Office	533-4121
Deputy Director	533-4109
Animal Damage Control	524-5629
Information Specialist	533-4104
Administrative Services	533-4101
Accounting and Budget	533-4108
General Services	533-4101
Personnel	533-7478
Agriculture Development & Conservation	533-4103
Agriculture Resource & Development Loans	533-5918
Soil Conservation	533-6895
Water Shed/Water Quality	533-5429
Agriculture Statistics	524-5003
Animal Industry	533-6060
Animal Health	533-6060
Serology Laboratory	533-7544
Animal Identification	533-4106
Meat Inspection	533-5817
Chemistry Laboratory	533-4128
Dairy Laboratory	533-4130
Feed & Fertilizer Laboratory	533-4509
Meat Laboratory	533-4276
Pesticide Formulation and Residue Laboratory	533-4134
Bedding & Upholstery Laboratory	533-4128
Food & Dairy, Weight & Measures Laboratory	533-4128
Food & Consumer Services	533-5945
Food & Dairy	533-5945
Bedding, Quilted Clothing, Upholstered Furniture	533-4113
Egg & Poultry	533-4117
Livestock Market	533-4101
Metrology Laboratory	533-7550
Products of Agriculture	533-4101
Weights & Measures	533-5498
Livestock & Market News	533-7527
Marketing & Promotion	533-6908
Plant Industry	533-4107
Entomology, Nursery, Bees, Quarantines	533-6902
Fruit & Vegetable Inspection	533-5964
Insect Infestation Emergency Control	533-4107
Grain Grading & Inspection, N.I.R. Feeds	533-7530
Pesticide Grant, Fertilizers	533-5916
Seed Laboratory	533-5209
Weed Program	533-7534

CHALLENGES

During the past two years many challenges have faced the Department of Agriculture. Budget shortfalls in State Government prompted a need to reevaluate programs and to become even more efficient in the delivery of programs.

Other major challenges included the flooding Great Salt Lake and infestations of grasshoppers and Mormon crickets to crop and range lands. The fruit industry also had insect problems.

ACCOMPLISHMENTS

--Legislation--

Ways to help Utah's beleaguered agriculture industry required many hours with the legislature. The department was successful in obtaining approval for a director of marketing and promotion. Also gaining support were control programs for insect infestations and range land development.

Research on alternative crops, diversification and reduction of operating and production costs were promoted in an effort to aid producers trying to improve their operations. Work on such issues as farm land assessment, beef promotion assessments, animal damage control were aimed at maintaining a profitable agriculture industry.

--Marketing Division Created--

A division to market and promote Utah Agriculture was created in July of 1985. The objective of the Utah Department of Agriculture's Marketing Division is to promote the development of new markets and to expand existing markets for Utah agriculture products, both domestic and foreign markets, which will enhance the overall economy of the State of Utah.

The division assisted in the efforts of eight small Utah companies to market their product to Japan, Taiwan, Hong Kong and Singapore.

Marketing of alfalfa hay cubes to Taiwan and Tennessee. And, finally, the group assisted in promoting Utah lamb and apple sales.

--Computerized Brand Renewal--

Utah led the way, becoming the first state to implement a computerized brand renewal system. This resulted in processing 24,000 brands and earmarks, using one-fourth as many state personnel.

--Ag in the Classroom--

"Ag in the Classroom" continues to gain support throughout the state. This popular program promotes agricultural literacy. It helps elementary children learn about the source of their food and the role of agriculture in society. It accomplishes this by integrating information and activities about agriculture into existing curriculum. The success of the program can be attributed to the cooperation and efforts of volunteers from agribusiness, commodity groups, educators, Utah State University who work with the director of public relations in the Department of Agriculture.

--Hay Donations--

By coordinating efforts with the Utah Farm Bureau, the Department of Agriculture located nearly 2,000 tons of quality hay that was donated to the drought stricken farmers in the southeastern United States. The donated Utah farm hay was valued at $120,000.

LOOKING AHEAD

New and continued emphasis will be placed on the following:

* Utah products promotion
* Development of new crops
* Market development
* Development of value added products
* Improving agriculture profitability
* Encourage research on issues impacting Utah agriculture
* Protecting consumers, retailers, producers
* Maintaining healthy animal and plant industries
* Promotion of Ag in the Classroom
* Conservation of agricultural resources
* Improving the image of agriculture

ADMINISTRATIVE SERVICES

The Division of Administrative Services is the service center for the department. It provides efficient support services for each division allowing them to carry out their specific functions.

The division provides budget, personnel and payroll; data processing; finance and accounting; and licensing and recording functions. Other related functions include contracts, administrative rule making, printing, telephone services, motor pool, supplies, inventory, surplus property, mail, risk management and facilities management.

PUBLIC AFFAIRS

The public information office worked to promote a greater understanding of the Department, its many services and programs and how it benefits rural and urban consumers and agricultural producers.

This office provided information to state and national media - radio, television and newspapers - on such department programs as insect control programs, hay donation to the Southeast, animal health issues, food recalls, field days, and trade missions.

Coordinates the State Ag in the Classroom Program. Facilitates the flow of information to producers on such things as land use options, production alternatives, new seed varieties, new or expanding markets, and sources of assistance.

Examples of changes that resulted in tax dollar savings are:

Cost Accounting System

A newly developed cost accounting system went on line in 1986. Valuable information on program costs is now available for more efficient program management.

Cross utilization of Personnel

In small, rural areas one employee may work in more than one program area resulting in fewer personnel and better service to the State.

Inspection Fees

Inspection fees have been adjusted to cover the cost of inspections. After the first inspection, fees are charged for mileage and time. For example, when a Weights & Measurers inspector has to make repeat visits to a job site to see if scales have been corrected, fees are charged.

Part-Time Employees

A policy was initiated to use part time, temporary people in order to be more responsive to the seasonal nature of agriculture.

ANIMAL DAMAGE CONTROL PROGRAM

Utah's Animal Damage Control Program protects agricultural resources and human health and safety from damage by predatory animals and depredating birds and rodents.

This program is cooperatively administered by the Utah Department of Agriculture and the United States Department of Agriculture's Animal, Plant Health Inspection Service.

The program reduces the economic loss to more than 12,600 farmers and ranchers. It is estimated that economic losses exceed $4 million annually from coyotes to livestock and from insects, birds and rodents to crops and stored grains.

Administrative orders have resulted in improved collection of assessed fees resulting in a strengthened program.

AG DEVELOPMENT AND CONSERVATION

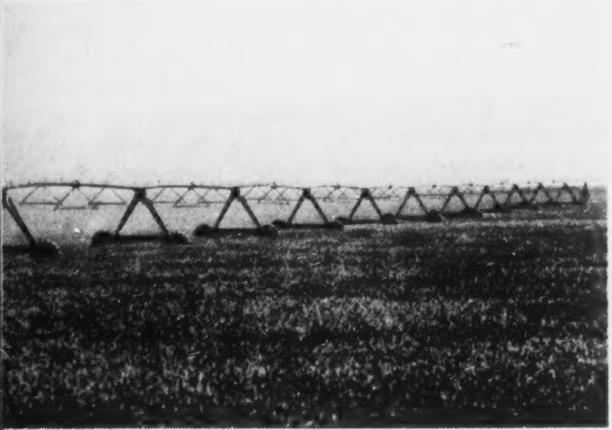
PURPOSE

The Agriculture Development and Conservation Division seeks to insure that agriculture in Utah will remain a viable industry; that Utah's rural communities thrive; and that Utah's agricultural resource base is maintained and improved to provide food and fiber for this and future generations.

Specifically, they strive to maintain crop and range base at or near present levels; solicit private incentives; and encourage new water and land development.

Other goals of the division include more efficient production, identification of needed research, development of supplemental water, and better water management.

The division also strives for the establishment of conservation practices on agricultural land; provides low interest loans and fosters the use of resource data through the Resource Inventory and Monitoring System (RIMS).



HIGHLIGHTS

The Agriculture Resource Development Loan (ARDL) fund continues to benefit the people of Utah. Because this is a revolving loan fund, monies will be available to farmers and ranchers as needed.

Money is loaned to implement soil and water conservation practices and improve overall farm efficiency. On rangeland, the carrying capacity of the land has increased as much as 450 per cent as a result of these practices.

Additionally, wildlife habitat is improved, erosion and flooding is reduced, soil is kept out of streams and reservoirs, and the improved watershed protects Utah's water supply and insures quality water. All public sectors of our state benefit from this program.

Implementation of a cash flow system in the Agriculture Resource Development Loan Program resulted in additional funds being available for new loans. The change in policy allowed the money previously held for second and third year commitments to be used.

The Soil Conservation District program is one of the major links between the state Ag Development and Conservation programs and the private land managers. During 1986 the numbers of local Soil Conservation Districts was reduced from 39 to 38 to help make the districts more efficient.

Approximately 140,000 acres of nonirrigated land on 434 farms were voluntarily taken out of production for 10 years as part of the U.S. Food Security Act (1985 Farm Bill). This action benefits soil conservation efforts and production quantity levels.

The 1985 and 1986 Conservation Field Days provided a first hand look at modern farm equipment and new technological innovations. Many soil and water conservation practices were on display and their benefits explained.

The field days introduced farmers, ranchers and wildlife interests to conservation practices that save time, energy and money while at the same time improve habitat for livestock and wildlife.

Research grants are administered by this division. Research money is awarded to groups based on potential benefits from research findings, on need for research to determine the cause of particular problems, and applicability to the Utah situation.

The goal is to help Utah farmers and ranchers improve the profitability of their operations by investigating and testing new and innovative methods to reduce costs and improve yields.

Working with universities and private industry the department has been able to develop and expand the market for agricultural products, control diseases in plants and animals and conserve precious natural resources.

One research project focused on the sheep disease, Ram Epididymitis, which costs producers $1 million per year. As a result of research on this disease, a vaccine has been developed which [illegible] provide effective control.

LOOKING AHEAD

As the difficult economic times continue to plague farmers and ranchers, increased focus will be placed on conservation of natural resources and production costs.

In addition, research will become increasingly important if producers are to be profitable as new pest and disease problems enter the state and as alternative crops are being considered.

ANIMAL INDUSTRY

PURPOSE

The Division of Animal Industry is concerned with the supervision and enforcement of the laws and programs affecting approximately two million head of livestock, five million turkeys and chickens and the growing aquaculture industry.

HIGHLIGHTS

Avian Influenza outbreaks of strains H&N6 and H1ON9 occurred respectively in the summer and fall of 1986 in Sanpete County's turkeys. The disease caused severe weight loss and about 10 percent mortality. Through cooperative efforts with Moroni Feed Company, Utah Department of Agriculture and BYU, a vaccine was produced in Maine which helped to control this problem.

Utah's meat inspection program maintained an average rating of 5 during federal certification reviews. The highest rating is 6. The Meat Laboratory was accredited by the USDA's Food Safety & Inspection Service.

Utah was the first state to have a computerized brand renewal system. Using the new system 24,000 brands and earmarks were renewed. Brand images were produced on a sophisticated laser printer.

The renewal process was accomplished by 1-1/4 employees compared with 5 employees five years ago.

--Serology Laboratory--

The Serology Laboratory conducts hundreds of tests daily for Brucellosis, Leptospiroses, Vibriosis, Anaplasmosis, Bluetongue and Equine Infectious Anemia.

--Animal Health--

The Animal Health Section is actively involved in the eradication and control of disease, improving animal conditions, the interstate movement of animals, upgrading the quality and wholesomeness of animal food products, and the overall public health of Utah.

In the spring of 1986, a severe outbreak of cattle mange mites (Scabies) occurred in Snowville, Box Elder County. This external parasite was imported into Utah from Idaho.

Due to prompt action and cooperation by the local veterinarian and cattlemen two thousand cattle were treated and no spreading of this disease occurred.

Scrapie, a devastating disease, attacks the nervous system of sheep and goats. This "slow virus" is in the same classification as human Ahlsheimer Disease and AIDS.

The disease is not present in Utah. However, because the sheep industry is a vital part of Utah's economy, Utah is working with other agencies to eradicate this disease through embryo transfer.

In the fall of 1986 approximately 110,000 female calves were vaccinated for Brucellosis which protects the cattle from abortion as well as protecting human health. This also helps maintain Utah's Bangs Free status which allows Utah's cattle to move freely in the nation's markets.

Other animal health concerns addressed that not only protected Utah's poultry industry but wildlife as well were:

- Salmonella Pullorum in pheasants in Benson Ward, 400 of 1000 were lost,
- Tuberculosis in pheasants in Green River, involving a flock of 14,000,
- Botulism in 1300 pheasants in Ogden,
- Avian Influenza, not the highly pathogenic strain, in turkeys.

--Meat Inspection--

The Meat Inspection Section assures Utah consumers that only inspected and wholesome meat and meat food products are offered for sale or transport in intrastate commerce in Utah. It has the responsibility of making sure that all meat products in commerce are wholesome, unadulterated, marked, labeled and properly packaged.

Two actions enhanced the marketing of Utah meat and kept costs down for the industry. They were:

(1) A cooperative agreement with USDA Food Safety & Inspection Service allowed state inspection plants to apply the federal inspection legend to state inspected products and to ship products in interstate commerce.

(2) A contract with USDA Agricultural Marketing Service was initiated that provided meat grading for state inspected meat packing plants.

In order to have compliance with regulations the administrative order and hearing process was used in two separate cases. Both cases involved meat inspection violations. Fines and a probation were ordered.

--Animal Identification--

The Animal Identification Section, more commonly known as the Brand Bureau, maintains a brand registry of 24,000 brand and marks and has the responsibilities of processing new applications. Emphasis is placed on avoiding duplication of existing recordings, making proper transfer of ownership of brands and marks and renewing all existing brands and marks every five years.

Field Brand Inspectors annually inspect about 762,000 cattle and 15,500 horses. Inspection is done to verify ownership when ownership changes, movement to pasture, and at Livestock Markets and Slaughter Plants.

Brand Law changes were implemented. All brand inspectors attended seminars where explanations of the collection of the Beef Check Off funds and the issuance of citations for violations in the movement of livestock were given.

LOOKING AHEAD

The livestock industry should continue to be strong because livestock prices are expected to improve in 1987. Consequently, this division will continue to work to monitor the movement of animals in Utah to protect this vital industry.

CHEMISTRY LABORATORY

HIGHLIGHTS

The Chemistry Laboratory replaced antiquated equipment with new equipment during this biennium.

The new equipment was obtained to cope with a 300 percent increase in the number of analyses required by FDA. This increase was in response to the rise in the number of milk related health problems in other parts of the country.

Because of the new equipment the lab was able to meet the extra workload without having to hire additional personnel. Not only does the equipment combine two tests, it utilizes computer analysis for improved accuracy because it reduces the opportunity for human error.

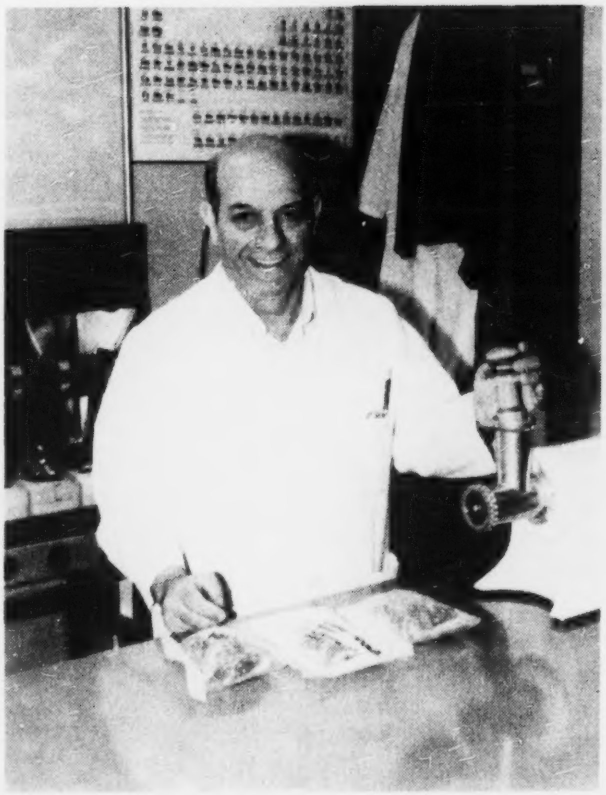
The results of the analyses are stored in the computer system and can be made available for documentation when violations occur.

The Chemistry Laboratory was reorganized with a new director and new policies. As a result the turn around time on many samples has dropped from up to six months to 10 days or less.

A safety committee was formed following a safety training session which was organized by the lab. This action should strengthen the excellent safety record of the department. In addition it serves as a reminder of the need to be alert to good safety practices. These efforts should reduce liability risks.

LOOKING AHEAD

As the agriculture industry responds to consumer demands for safer, wholesome products more testing will be performed to insure compliance.



PURPOSE

The Chemistry Laboratory serves the regulatory divisions within the Department of Agriculture. The lab conducts analyses on samples submitted for testing by various division inspectors.

The primary responsibility of the lab is to aid the department in protecting the Utah consumer and producer by performing various analytical tests to ensure that products are wholesome, free of unlawful additives or residues and that they conform to label claims.

WEIGHTS & MEASURES

HIGHLIGHTS

A routine regulatory inspection in a grocery store of the weight of pre- packaged meat products revealed 71 percent were short in net weight.

The store was notified of the violation, and given five days to comply with the order. A reinspection was then conducted. At that time 56 percent of the products were found to be short in net weight. At that point the store was served with an Administrative Order to cease and desist offering for sale short weight prepackaged food products and fined $1,000.

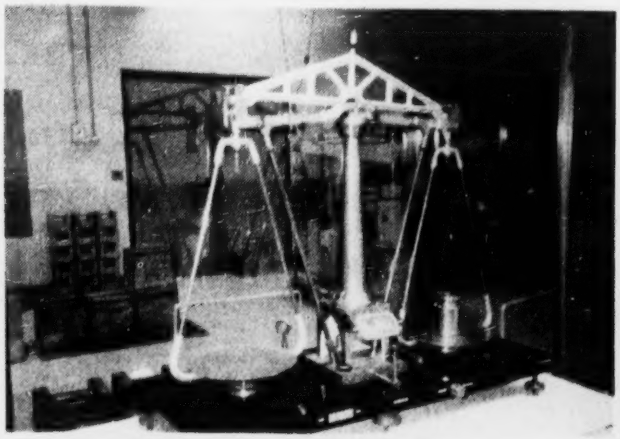
Quick corrective action was then taken by the store.

Inspectors found 400,000 gallons of inferior quality gasoline being sold. The distributor quickly corrected the problem which saved consumers money and car problems.

LOOKING AHEAD

With the increase of new business comes new weighing and measuring devices as well as more prepackaged commodities; all of which require monitoring for compliance with state regulations.

The limited budget picture necessitates very careful planning in order to meet the growing demand.



--Metrology Laboratory--

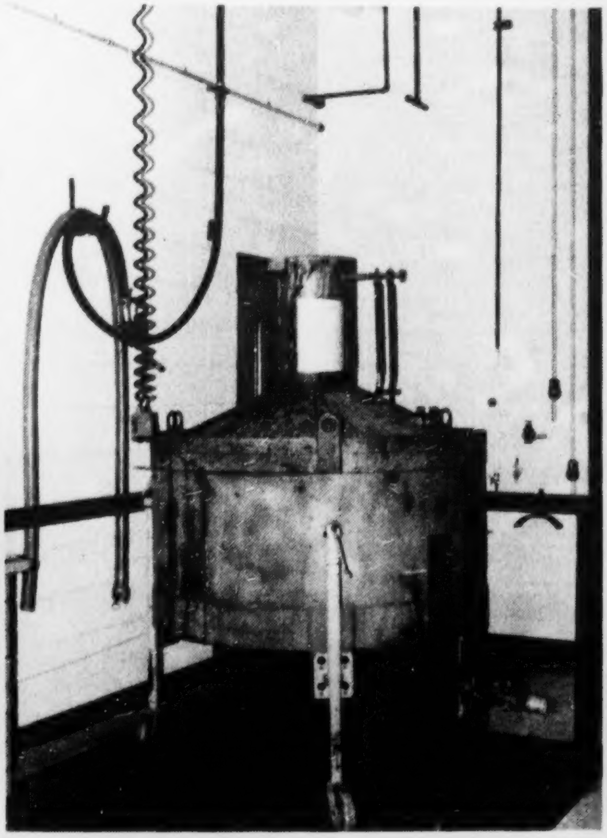
Assures validity for legal and regulatory efforts in the calibration of the measurements of mass, volume, and length traceable to the National Bureau of Standards.

--Weights and Measures--

Thousands of weighing and measuring devices are tested annually by the Weights and Measures Section. Many thousand pre-packaged items and bulk commodities are checked for proper quantity and labeling.

--Motor Fuel Inspection--

Hundreds of samples of various grades of motor fuel being sold by refineries are tested in the laboratory for quality control.



FOOD AND DAIRY

HIGHLIGHTS

Two National issues did impact Utah's Food and Dairy Program. These were:

- The Whole Herd Dairy Buyout. Utah had just over 1,000 dairies prior to the buyout. Approximately 180 dairies terminated operation. They were both manufacturing and Grade A dairies.

- There were two major foodborne illness outbreaks in 1986. Both outbreaks were caused by bacteria contamination. One was caused by Salmonella and the other by Listeria Monocytogenes.

The U. S. Congress mandated that FDA respond to the food outbreaks. As a result, all states regulating the interstate shipment of milk have had to increase inspections on dairy processing plants. Utah increased its emphasis on checking pasteurization systems and sample surveillance.

So despite the reduction in dairies, the division's work load did not decrease.

The retail ground beef sampling program has been streamlined. Working with the retail industry and with limited sampling, violation rates are less than 5 percent and those violations are minor. This is down from 10 percent in recent years which came down from 30 percent following extensive retail sampling.

In both the Dairy and Food Programs emphasis was placed on standardization. The goal was for employees to evaluate establishments and products uniformly. This has really helped to improve the programs.

In 1986 several large food processing plants began operations in Utah. They were Smith Food King Dairy Plant, IMPA Centennial Dairy Plant, Smith's Warehouse Expansion, American Gourmet Food Processing, and Stouffers Food Corporation Food Processing.

In early 1986, several thousand down filled garments were ordered relabeled for insufficient down content. This amounted to a savings of approximately $500,000 for consumers.

Thousands of garments were relabeled because of an allergy-causing or activating agent that had not been identified on the contents label.

The furniture and bedding industries were given directives to relabel their products for insufficient labeling or misrepresentations.

Utah has added one more official USDA egg plant, Oakdell Farms in Fielding, Utah.

--Food and Dairy--

The Food and Dairy Section carries out a high quality inspection program for milk, milk products and food products to ensure that consumers are provided with food products that are safe, clean, wholesome and properly labeled. The inspection program also protects the producer/processor by assuring them that they are in compliance with state regulations and that they have a quality product.

During 1986 there were several food and drug adulteration incidences due to intentional tampering. Utah developed a communication network between industry and the consumer to respond rapidly to these issues.

--Egg & Poultry Grading--

The Egg and Poultry Grading Section inspects and grades eggs, egg products and poultry at wholesale and retail establishments and processing plants. Inspectors monitor wholesomeness, grade and size.

--Upholstered Furniture, Bedding and Quilted Clothing--

The Upholstered Furniture, Bedding, and Quilted Clothing Section is responsible for the manufacturing, labeling, distribution, advertising and sale of these products.

The inspection, monitoring, and sampling services save the citizens and retailers of Utah thousands of dollars.

--Produce Dealers Act--
and
--Agricultural Fair Trades Act--

These acts protect farmers from persons who do not live up to credit agreements and protects everyone from unfair and injurious trade practices.

The department requires that dealers in agriculture products be bonded and licensed. It also acts as trustee on all bonds required by the Packers and Stockyards Administration.

--Livestock Markets--

Livestock auction markets operate throughout the state, are assigned market days to avoid conflict of sales, and provide marketing opportunities on a regular basis to the livestock industry. Annual licenses and current bonds or trust agreements are required at all markets.

When temporary livestock sales are held, bonding and licensing are required.

LOOKING AHEAD

As more food processing plants begin operation and as turkey plants begin year round production work loads of department employees will increase in order to continue to protect consumers and the industry.

MARKETING AND PROMOTION

HIGHLIGHTS

Since its inception in July 1985, the Marketing Division has concentrated on finding additional markets for Utah agricultural products. Focus was also placed on the development of new products that could compete in national and world markets.

--Trade Shows--

The division assisted eight small Utah companies in two international food shows, Los Angeles in 1985 and San Francisco in 1986. The companies obtained new domestic and international trade leads with sales in excess of $100,000. Two companies now have regular accounts in Osaka, Japan; Taipei, ROC; Hong Kong and Singapore.

--Commodity Promotions--

Commodity groups received assistance with promotional activities. Projects included a month-long Utah Lamb promotion with the Utah Woolgrowers Association (resulting in increased lamb sales in Utah) and on-going assistance to the Utah Apple Marketing Board.

--Alfalfa Hay--

As a result of the division's activities, Utah alfalfa hay cubes have been sold in Taiwan. A Tennessee hay broker purchased $97,000 worth of baled hay from the Delta area for dairy cattle and race horses.

--Value Added--

Working with the Western U.S. Agricultural Trade Association, an organization of 11 Western State Departments of Agriculture, value-added products were promoted to the Far East markets. Products featured were apples, canned trout, flavorings, beef and turkey jerky, candy and ice cream.

--Aquaculture Association--

Commercial trout production in Utah is about a $3.2 million industry, and its potential for expansion is nearly unlimited. To assist producers in marketing their product the Utah Aquaculture Association was organized with help from the department.

The association will give the state's commercial trout producers a more effective voice when dealing with state and federal regulatory agencies.

--Market News--

The Market News service has been expanded to include the Amarillo livestock and grain market information which makes this inexpensive tool even more valuable to Utah producers.

The department publishes this weekly publication. It is available to anyone for $12.00 per year.

PURPOSE

The Marketing and Promotion Division strives to develop new markets, both domestic and foreign , and to expand existing markets for Utah agriculture products.

The division assists the agricultural producer, processor, shipper and exporter to expand the trade volume and marketing areas, reducing distribution and transportation costs and assisting the farmer in developing the domestic markets as well as gaining freer access to the overseas market.

In addition, the division serves as a clearing house for trade leads; encourages new product development especially value-added products and new high value crops; coordinates trade missions; arranges tours for visiting foreign delegations, develops promotional materials and displays as needed, and brings together necessary parties from government and private sector.

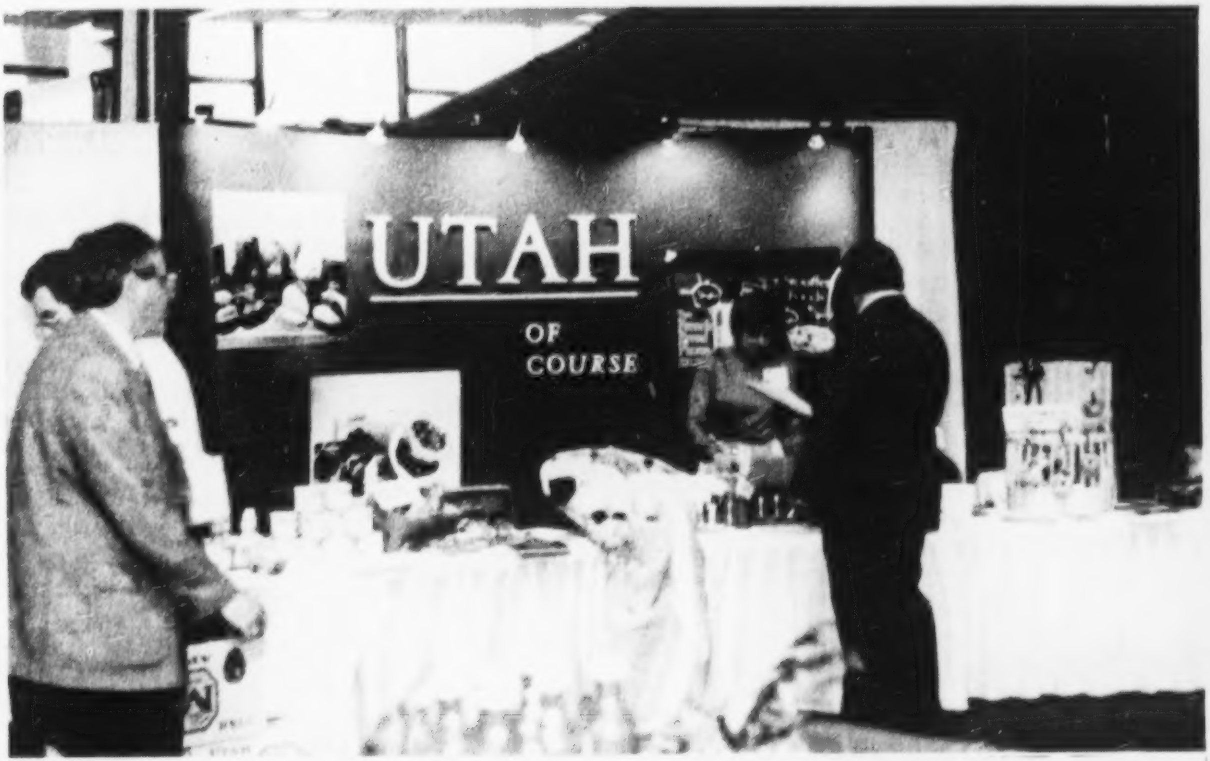
LOOKING AHEAD

Having good markets is critical to the success of any operation. Therefore, continued emphasis will be placed on developing new and existing markets for Utah products.

A "Buy Utah" marketing campaign is being planned to increase the visibility of Utah's quality agricultural products to Utah consumers.

In addition, efforts will be made to assist producers to find alternative crops, high value crops, new products and/or adding value to existing products.

The division contracted to survey the feasibility of commercial vegetable production in Utah. The products would be for sale to two major food processors now located in the state. That study will be completed in June 1987. It is anticipated that the results will give support to private farmer groups for seeking alternatives to traditional crop production.



PLANT INDUSTRY

HIGHLIGHTS

The Emergency Pest Program was initiated to deal with heavy infestations of grasshoppers and Mormon crickets. A massive control program was developed and implemented. A total of 1.3 million acres was sprayed in 1985.

The largest number of acres sprayed prior to 1985 was 72,000 acres. The cooperative effort of USDA's Animal, Plant Health Inspection Service, Bureau of Land Management, Utah State University and the Utah Department of Agriculture saved the state millions of dollars.

Utah's control program cost only $2.16 per acre compared with the national average of $4.00 per acre. This efficient program resulted from careful monitoring of costs and the excellent cooperation of agencies.

Seed certification has become an important issue for Utah producers because of the need for "native" seeds in reseeding projects.

The Utah Department of Agriculture has been involved in a cooperative research project to certify new "native" seed varieties. This important research resulted in the certification of eight new seeds. The seeds are in high demand for such reclamation areas as oil, gas and mining, along highways with poor soils, land going into the Conservation Reserve Program.

PURPOSE

The Plant Industry Division works to protect the consumers and producers and to ensure healthy crops and reduce losses. To accomplish this the division administers regulatory and service programs for compliance with Utah's 12 statutes.

Regulatory efforts are performed to insure quality products for the consumer as well as the industry.

--Entomology Program--

The Entomology Program assures clean, healthy plant materials that are free from damaging insects and disease conditions. This is accomplished by survey and detection work.

Monitoring of plant pest populations provides an "early warning" system for producers. Special detection and control programs have been established for pests in apples and cereal grains as well as grasshoppers and Mormon crickets.

In 1985 Utah's grasshopper and Mormon cricket control programs covered 1.3 million acres at a cost of $3.36 million with a reported $54 million in losses to crop and range lands. Because the control effort was successful the 1986 program was greatly reduced with only 380,000 acres in the control program at a cost of $823,936.

Two other pest management programs included the following:

1. The establishment of two biological control nurseries for the control of the Cereal Leaf Beetle.
2. The Apple Maggot Survey and Detection Program which included a research component. The program helps protect Utah's $21 million fruit industry.

The Utah Bee Inspection Act provides for inspection of all apiaries annually to detect and prevent the spread of disease.

--Pesticide Program--

The Pesticide Program requires that all pesticide applicators be properly licensed to use pesticides. Licensing of applicators protects the consumer by insuring that only specific, registered chemicals are used and in proper quantities. All pesticides offered for sale in Utah must be registered.

--Grain Inspection--

The Grain Inspection Service has provided high quality grains for more than 25 years. Included in this service is the analysis, grading, weighing and inspection of all grains common to Utah.

Fees are charged for this service which makes the program nearly self-sufficient.

--Fresh Fruit & Vegetable Inspection--

The Fresh Fruit and Vegetable Inspection Section provides voluntary shipping point and terminal market inspection to certify the quality of the fresh produce at that time. This service benefits processors, growers, shippers and buyers of fresh produce. Fees are charged for this service.

The inspections provided serve as a third party verification of the quality of the order in a dispute.

--Noxious Weed Control Program--

Cooperation between federal, state and county agencies are necessary in administering Utah's Noxious Weed Law.

The control of noxious weeds improves the production of crops and forage for livestock which helps the profit picture for producers and overall quality of the landscape.

--Fertilizer Program--

The Fertilizer Program assures consumers that fertilizers meet the guarantee represented on the label. It also requires the licensing of manufacturers and distributors of commerical fertilizers.

--Seed and Feed Inspection--

The Seed and Feed Inspection section insures the sale of quality seeds and animal feeds. Routine sampling and Laboratory analysis is performed on samples collected by inspectors.

Certified seeds are produced according to stringent standards. Inspectors check for purity and mechanical and insect damage. Certification assures higher yields and better quality products.

--Field Inspections--

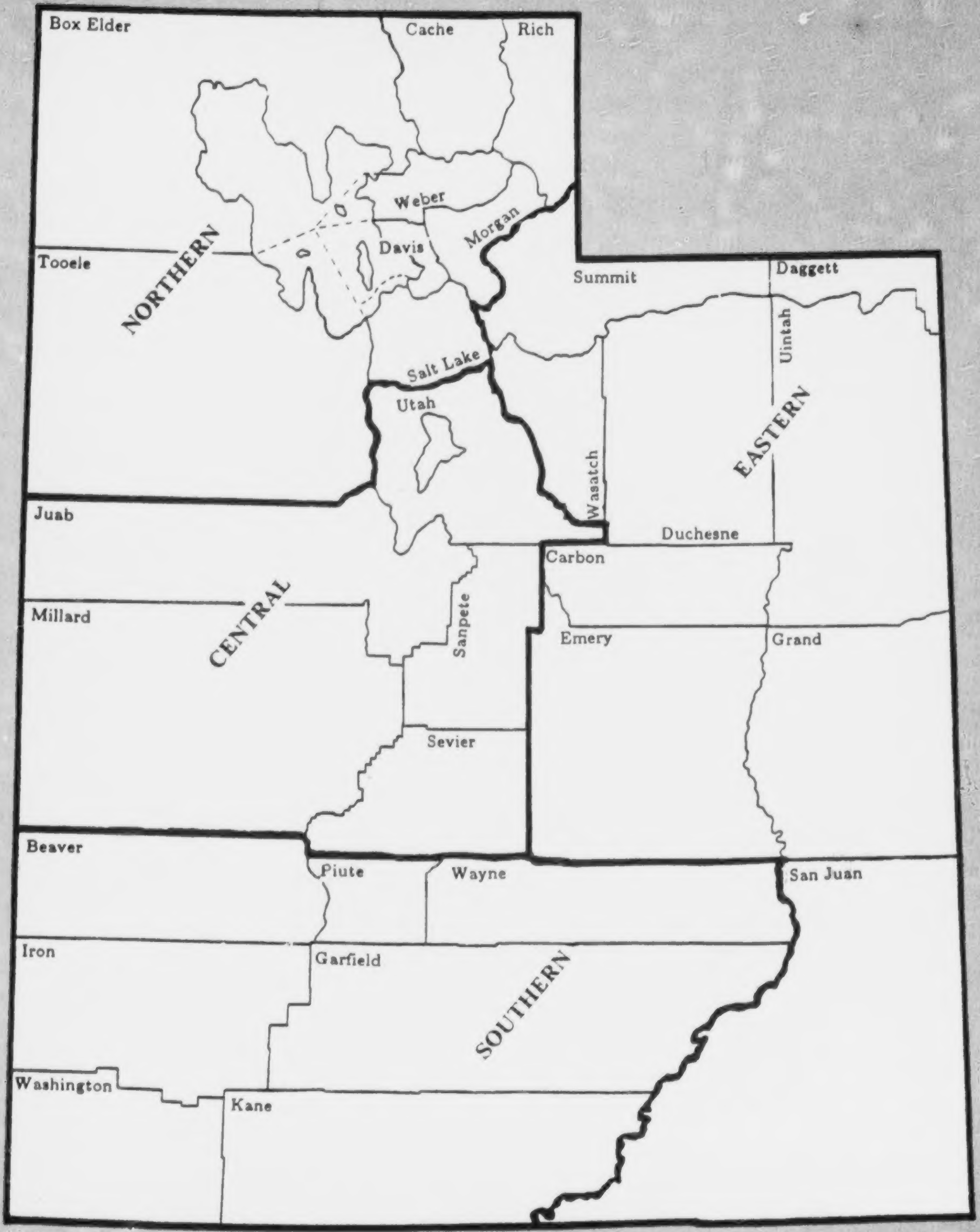
Field inspections are conducted to insure that a quality product is offered for sale to the consuming public. This assures their protection from adulterated products and the contamination of the environment.

LOOKING AHEAD

Concerns for the environment and public health will continue to be important. The safe use of pesticides and fertilizers will continue to be an important role for the department.

Helping producers cope with pest problems will require continued department attention.

Increasing attention will be given to the spread of noxious weeds threatening rangeland.



Box Elder
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Rich
Weber
Davis
Morgan
Tooele
NORTHERN
Summit
Daggett
Salt Lake
Uintah
Utah
EASTERN
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Juab
Duchesne
Carbon
CENTRAL
Millard
Sanpete
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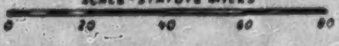
Garfield
SOUTHERN
Washington
Kane

UTAH COUNTIES AND DISTRICTS



SCALE - STATUTE MILES
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